CDX-GT20W/GT200/GT200E/ GT200S/GT250S

SERVICE MANUAL

Ver. 1.2 2006. 03

US Model
Canadian Model
CDX-GT20W/GT200
AEP Model
UK Model
CDX-GT200/GT200E/GT200S
E Model
Chinese Model
CDX-GT250S



• The tuner and CD sections have no adjustments.

AUDIO POWER SPECIFICATIONS (US MODEL)
POWER OUTPUT AND TOTAL HARMONIC DISTORTION
23.2 watts per channel minimum continuous average power into 4 ohms, 4 channels driven from 20 Hz to 20 kHz with no more than 5% total harmonic distortion.

Model Name Using Similar Mechanism	NEW
CD Drive Mechanism Type	MG-611WA-186//C MG-611WA-186//Q
Optical Pick-up Name	KSS1000E

SPECIFICATIONS

CD Player section
Signal-to-noise ratio: 120 dB
Frequency response: 10 – 20,000 Hz
Wow and flutter: Below measurable limit

Tuner section
FM
Tuning range: CDX-GT20W/GT200 (US, Canadian):
87.5 – 107.9 MHz
CDX-GT200 (AEP, UK)/GT200E/GT200S:
87.5 – 108.0 MHz
CDX-GT250S:
87.5 – 108.0 MHz (at 50 kHz step)
87.5 – 107.9 MHz (at 200 kHz step)
FM tuning interval (CDX-GT250S only):
50 kHz/200 kHz switchable
Antenna terminal: External antenna connector
Intermediate frequency: 10.7 MHz/450 kHz
Usable sensitivity: 9 dBf
Selectivity: 75 dB at 400 kHz
Signal-to-noise ratio: 67 dB (stereo), 69 dB (mono)
Harmonic distortion at 1 kHz:
0.5 % (stereo), 0.3 % (mono)
Separation: 35 dB at 1 kHz
Frequency response: 30 – 15,000 Hz

AM (CDX-GT20W/GT200 (US, Canadian)/GT250S)
Tuning range: CDX-GT20W/GT200 (US, Canadian):
530 – 1,710 kHz
CDX-GT250S:
531 – 1,602 kHz (at 9 kHz step)
530 – 1,710 kHz (at 10 kHz step)
AM tuning interval (CDX-GT250S only):
9 kHz/10 kHz switchable
Antenna terminal: External antenna connector
Intermediate frequency: 10.7 MHz/450 kHz
Sensitivity: 30 µV

MW/LW (CDX-GT200 (AEP, UK)/GT200E/GT200S)
Tuning range: MW: 531 – 1,602 kHz
LW: 153 – 279 kHz
Aerial terminal: External aerial connector
Intermediate frequency: 10.7 MHz/450 kHz
Sensitivity: MW: 30 µV, LW: 40 µV

Power amplifier section
Outputs: Speaker outputs (sure seal connectors)
Speaker impedance: 4 – 8 ohms
Maximum power output: CDX-GT20W/GT200 (US, Canadian)/GT250S:
52 W × 4 (at 4 ohms)
CDX-GT200 (AEP, UK)/GT200E/GT200S:
50 W × 4 (at 4 ohms)

– Continued on next page –

FM/AM COMPACT DISC PLAYER
CDX-GT20W/GT200: US,CND/GT250S
FM/MW/LW COMPACT DISC PLAYER
CDX-GT200: AEP,UK/GT200E/GT200S

9-879-862-03
2006C04-1

Sony Corporation
eVehicle Division
Published by Sony Techno Create Corporation

SONY®

General

Outputs:	Audio outputs terminal (sub/rear switchable) Power antenna relay control terminal Power amplifier control terminal
Inputs:	Antenna input terminal AUX input jack (stereo mini jack)
Tone controls:	Low: ±10 dB at 60 Hz (XPLOD) Mid: ±10 dB at 1 kHz (XPLOD) High: ±10 dB at 10 kHz (XPLOD)
Power requirements:	12 V DC car battery (negative ground)
Dimensions:	Approx. 178 × 50 × 179 mm (7 1/8 × 2 × 7 1/8 in) (w/h/d)
Mounting dimensions:	Approx. 182 × 53 × 161 mm (7 1/4 × 2 1/8 × 6 3/8 in) (w/h/d)
Mass:	Approx. 1.2 kg (2 lb 11 oz)
Supplied accessories:	Parts for installation and connections (1 set) Card remote commander: RM-X151 (CDX-GT20W: US/ GT200: US, CND/GT250S)

Design and specifications are subject to change without notice.

Us and foreign patents licensed from Dolby Laboratories.

SERVICE NOTES

CAUTION

Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

Case of CDX-GT200: AEP, UK/GT200E/GT200S/GT250S

This compact disc player is classified as a CLASS 1 LASER product. The CLASS 1 LASER PRODUCT label is located on the exterior.

AEP, UK, E model

CLASS 1
LASER PRODUCT

This label is located on the bottom of the chassis.

Chinese model

1类激光产品

此标签位于机壳的底部。

NOTES ON HANDLING THE OPTICAL PICK-UP BLOCK OR BASE UNIT

The laser diode in the optical pick-up block may suffer electrostatic breakdown because of the potential difference generated by the charged electrostatic load, etc. on clothing and the human body.
During repair, pay attention to electrostatic breakdown and also use the procedure in the printed matter which is included in the repair parts.
The flexible board is easily damaged and should be handled with care.

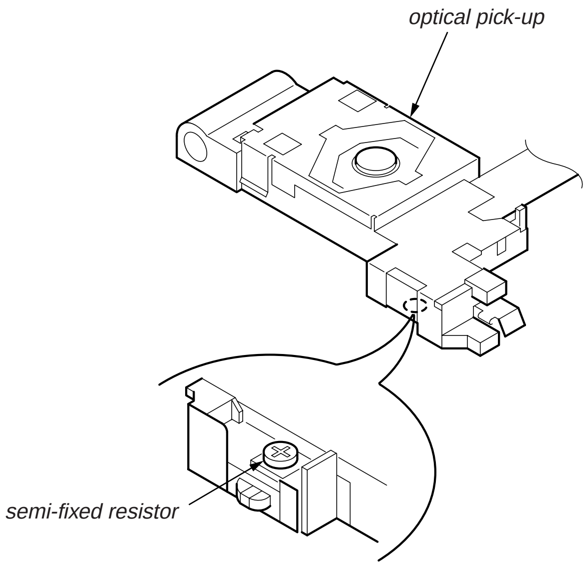
NOTES ON LASER DIODE EMISSION CHECK

The laser beam on this model is concentrated so as to be focused on the disc reflective surface by the objective lens in the optical pick-up block. Therefore, when checking the laser diode emission, observe from more than 30 cm away from the objective lens.

Notes on Chip Component Replacement

- Never reuse a disconnected chip component.
- Notice that the minus side of a tantalum capacitor may be damaged by heat.

If the optical pick-up block is defective, please replace the whole optical pick-up block.
Never turn the semi-fixed resistor located at the side of optical pick-up block.



TEST DISCS

This set can playback CD-R and CD-ROM discs. The following test discs should be used to check the capability:

CD-R test disc TCD-R082LMT (Part No. J-2502-063-1)
CD-RW test disc TCD-W082L (Part No. J-2502-063-2)

SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY MARK ⚠ OR DOTTED LINE WITH MARK ⚠ ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

ATTENTION AU COMPOSANT AYANT RAPPORT À LA SÉCURITÉ!!

LES COMPOSANTS IDENTIFIÉS PAR UNE MARQUE ⚠ SUR LES DIAGRAMMES SCHÉMATIQUES ET LA LISTE DES PIÈCES SONT CRITIQUES POUR LA SÉCURITÉ DE FONCTIONNEMENT. NE REMPLACER CES COMPOSANTS QUE PAR DES PIÈCES SONY DONT LES NUMÉROS SONT DONNÉS DANS CE MANUEL OU DANS LES SUPPLÉMENTS PUBLIÉS PAR SONY.

- **CD playback**
  You can play CD-DA (also containing CD TEXT*), CD-R/CD-RW (MP3/WMA files also containing Multi Session and ATRAC CD (ATRAC3 and ATRAC3plus format).

Type of discs	Label on the disc
CD-DA	COMPACT disc DIGITAL AUDIO Recordable; COMPACT disc DIGITAL AUDIO ReWritable
MP3 WMA ATRAC CD	COMPACT disc DIGITAL AUDIO Recordable; COMPACT disc DIGITAL AUDIO ReWritable; COMPACT disc Recordable; COMPACT disc ReWritable

* A CD TEXT disc is a CD-DA that includes information such as disc, artist and track name.

EXTENSION CABLE AND SERVICE POSITION

When repairing or servicing this set, connect the jig (extension cable) as shown below.

- Connect the MAIN board (CNP301) and the SERVO board (CN2) with the extension cable (Part No. J-2502-076-1).

● UNLEADED SOLDER

Boards requiring use of unleaded solder are printed with the lead free mark (LF) indicating the solder contains no lead.
(Caution: Some printed circuit boards may not come printed with the lead free mark due to their particular size.)

LF : LEAD FREE MARK

Unleaded solder has the following characteristics.

- Unleaded solder melts at a temperature about 40°C higher than ordinary solder.
  Ordinary soldering irons can be used but the iron tip has to be applied to the solder joint for a slightly longer time.
  Soldering irons using a temperature regulator should be set to about 350°C.
  Caution: The printed pattern (copper foil) may peel away if the heated tip is applied for too long, so be careful!
- Strong viscosity
  Unleaded solder is more viscous (sticky, less prone to flow) than ordinary solder so use caution not to let solder bridges occur such as on IC pins, etc.
- Usable with ordinary solder
  It is best to use only unleaded solder but unleaded solder may also be added to ordinary solder.

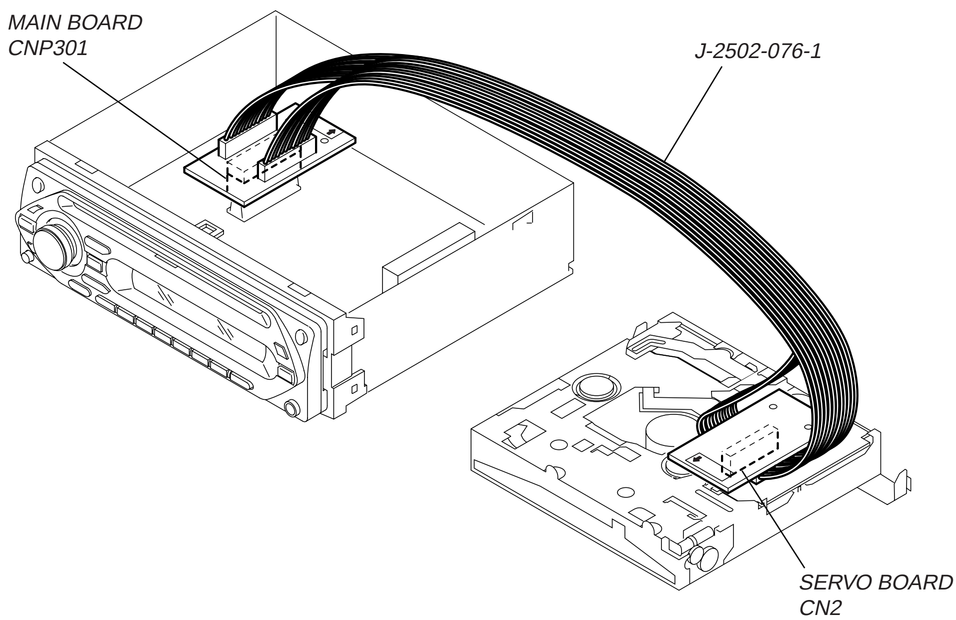


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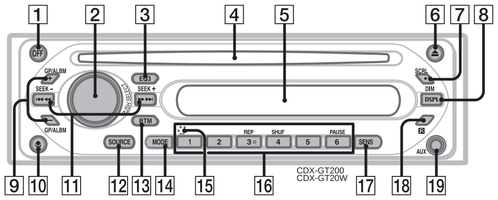
SECTION 1
GENERAL

This section is extracted from instruction manual.

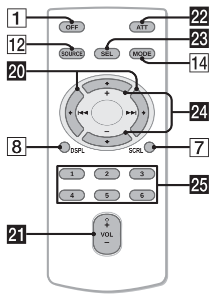
• CDX-GT20W/GT200: US, Canadian

Location of controls and basic operations

Main unit



Card remote commander
RM-X151 **(CDX-GT200 only)**



Refer to the pages listed for details.

1 **OFF button**
To power off; stop the source.

2 **Volume control dial/select button** 9
To adjust volume (rotate); select setup items (press and rotate).

3 **EQ3 (equalizer) button** 9
To select an equalizer type (XPLOD, VOCAL, CLUB, JAZZ, NEW AGE, ROCK, CUSTOM or OFF).

4 **Disc slot**
To insert the disc (label side up), playback starts.

5 **Display window**

6 **⏏ (eject) button**
To eject the disc.

7 **SCRL (scroll) button** 8
To scroll the display item.

8 **DSPL (display)/DIM (dimmer) button** 4, 8
To change display items (press); change the display brightness (press and hold).

9 **GP*1/ALBM*2 +/– buttons**
To skip groups/albums (press); skip groups/albums continuously (press and hold).

10 **(front panel release) button** 4

11 **SEEK –/+ buttons**
CD:
To skip tracks (press); skip tracks continuously (press, then press again within about 1 second and hold); reverse/fast-forward a track (press and hold).
Radio:
To tune in stations automatically (press); find a station manually (press and hold).

12 **SOURCE button**
To power on; change the source (Radio/CD/AUX).

13 **BTM button** 8
To start the BTM function (press and hold).

14 **MODE button** 8
To select the radio band (FM/AM).

15 **RESET button** (located behind the front panel) 4

16 **Number buttons**
CD:
(3): **REP** 8
(4): **SHUF** 8
(6): **PAUSE**
To pause playback. To cancel, press again.
Radio:
To receive stored stations (press); store stations (press and hold).

17 **SENS button**
To improve weak reception: LOCAL/MONO.

18 **Receptor for the card remote commander** 10

19 **AUX input jack** 10
To connect a portable audio device.

The following buttons on the card remote commander have also different buttons/functions from the unit.

20 **← (⏮)/→ (⏭) buttons**
CD:
To control CD/Radio, the same as (SEEK) –/+ on the unit.

21 **VOL (volume) +/– button**
To adjust volume.

22 **ATT (attenuate) button**
To attenuate the sound. To cancel, press again.

23 **SEL (select) button**
To select items.

24 **↑ (+)/↓ (–) buttons**
To control CD, the same as (GP/ALBM) –/+ on the unit.

25 **Number buttons**
To receive stored stations (press); store stations (press and hold).

*1 *When an ATRAC CD is played.*
*2 *When an MP3/WMA is played.*

Note
If the unit is turned off and the display disappears, it cannot be operated with the card remote commander unless (SOURCE) on the unit is pressed, or a disc is inserted to activate the unit first.

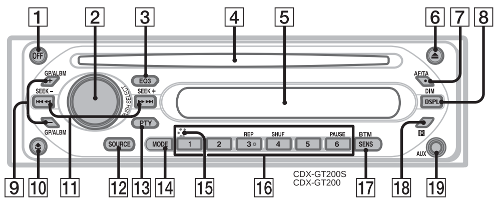
Tip
For details on how to replace the battery, see "Replacing the lithium battery" on page 12.

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• CDX-GT200: AEP, UK/GT200S

Location of controls and basic operations

Main unit



Refer to the pages listed for details.

1 **OFF button**
To power off; stop the source.

2 **Volume control dial/select button** 9
To adjust volume (rotate); select setup items (press and rotate).

3 **EQ3 (equalizer) button** 9
To select an equalizer type (XPLOD, VOCAL, CLUB, JAZZ, NEW AGE, ROCK, CUSTOM or OFF).

4 **Disc slot**
To insert the disc (label side up), playback starts.

5 **Display window**

6 **⏏ (eject) button**
To eject the disc.

7 **AF (Alternative Frequencies)/TA (Traffic Announcement) button** 7
To set AF and TA/TP in RDS.

8 **DSPL (display)/DIM (dimmer) button** 4, 6
To change display items (press); change the display brightness (press and hold).

9 **GP*1/ALBM*2 +/– buttons**
To skip groups/albums (press); skip groups/albums continuously (press and hold).

10 **(front panel release) button** 4

11 **SEEK –/+ buttons**
CD:
To skip tracks (press); skip tracks continuously (press, then press again within about 1 second and hold); reverse/fast-forward a track (press and hold).
Radio:
To tune in stations automatically (press); find a station manually (press and hold).

12 **SOURCE button**
To power on; change the source (Radio/CD/AUX).

13 **PTY (Programme Type) button** 8
To select PTY in RDS.

14 **MODE button** 6
To select the radio band (FM/MW/LW).

15 **RESET button** (located behind the front panel) 4

16 **Number buttons**
CD:
(3): **REP** 6
(4): **SHUF** 6
(6): **PAUSE**
To pause playback. To cancel, press again.
Radio:
To receive stored stations (press); store stations (press and hold).

17 **SENS/BTM button**
To improve weak reception: LOCAL/MONO (press); start the BTM function (press and hold).

18 **Receptor for the card remote commander** 10

19 **AUX input jack** 10
To connect a portable audio device.

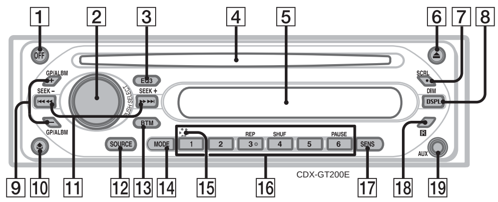
*1 *When an ATRAC CD is played.*
*2 *When an MP3/WMA is played.*

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• CDX-GT200E

Location of controls and basic operations

Main unit



Refer to the pages listed for details.

1 **OFF button**
To power off; stop the source.

2 **Volume control dial/select button** 7
To adjust volume (rotate); select setup items (press and rotate).

3 **EQ3 (equalizer) button** 7
To select an equalizer type (XPLOD, VOCAL, CLUB, JAZZ, NEW AGE, ROCK, CUSTOM or OFF).

4 **Disc slot**
To insert the disc (label side up), playback starts.

5 **Display window**

6 **⏏ (eject) button**
To eject the disc.

7 **SCRL (scroll) button** 6
To scroll the display item.

8 **DSPL (display)/DIM (dimmer) button** 4, 6
To change display items (press); change the display brightness (press and hold).

9 **GP*1/ALBM*2 +/– buttons**
To skip groups/albums (press); skip groups/albums continuously (press and hold).

10 **(front panel release) button** 4

11 **SEEK –/+ buttons**
CD:
To skip tracks (press); skip tracks continuously (press, then press again within about 1 second and hold); reverse/fast-forward a track (press and hold).
Radio:
To tune in stations automatically (press); find a station manually (press and hold).

12 **SOURCE button**
To power on; change the source (Radio/CD/AUX).

13 **BTM button** 6
To start the BTM function (press and hold).

14 **MODE button** 6
To select the radio band (FM/MW/LW).

15 **RESET button** (located behind the front panel) 4

16 **Number buttons**
CD:
(3): **REP** 6
(4): **SHUF** 6
(6): **PAUSE**
To pause playback. To cancel, press again.
Radio:
To receive stored stations (press); store stations (press and hold).

17 **SENS button**
To improve weak reception: LOCAL/MONO.

18 **Receptor for the card remote commander** 8

19 **AUX input jack** 8
To connect a portable audio device.

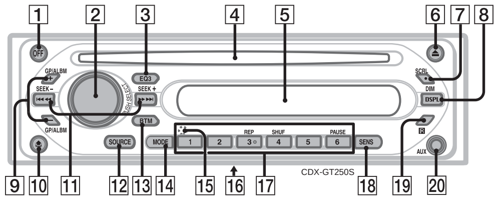
*1 *When an ATRAC CD is played.*
*2 *When an MP3/WMA is played.*

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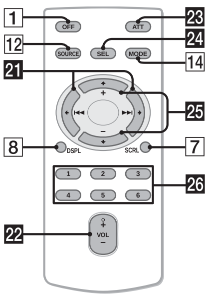
• CDX-GT250S

Location of controls and basic operations

Main unit



Card remote commander RM-X151



Refer to the pages listed for details. The corresponding buttons on the card remote commander control the same functions as those on the unit.

1 **OFF button**
To power off; stop the source.

2 **Volume control dial/select button** 9
To adjust volume (rotate); select setup items (press and rotate).

3 **EQ3 (equalizer) button** 9
To select an equalizer type (XPLOD, VOCAL, CLUB, JAZZ, NEW AGE, ROCK, CUSTOM or OFF).

4 **Disc slot**
To insert the disc (label side up), playback starts.

5 **Display window**

6 **⏏ (eject) button**
To eject the disc.

7 **SCRL (scroll) button** 8
To scroll the display item.

8 **DSPL (display)/DIM (dimmer) button** 4, 8
To change display items (press); change the display brightness (press and hold).

9 **GP*1/ALBM*2 –/+ buttons**
To skip groups/albums (press); skip groups/albums continuously (press and hold).

10 **(front panel release) button** 4

11 **SEEK –/+ buttons**
CD:
To skip tracks (press); skip tracks continuously (press, then press again within about 1 second and hold); reverse/fast-forward a track (press and hold).
Radio:
To tune in stations automatically (press); find a station manually (press and hold).

12 **SOURCE button**
To power on; change the source (Radio/CD/AUX).

13 **BTM button** 8
To start the BTM function (press and hold).

14 **MODE button** 8
To select the radio band (FM/AM).

15 **RESET button** (located behind the front panel) 4

16 **Frequency select switch (located on the bottom of the unit)**
See "Frequency select switch" in the supplied installation/connections manual.

17 **Number buttons**
CD:
(3): **REP** 8
(4): **SHUF** 8
(6): **PAUSE**
To pause playback. To cancel, press again.
Radio:
To receive stored stations (press); store stations (press and hold).

18 **SENS button**
To improve weak reception: LOCAL/MONO.

19 **Receptor for the card remote commander**

20 **AUX input jack** 10
To connect a portable audio device.

The following buttons on the card remote commander have also different buttons/functions from the unit.

21 **← (|◀◀)/→ (▶▶|) buttons**
To control CD/Radio, the same as (SEEK) –/+ on the unit.

22 **VOL (volume) +/– button**
To adjust volume.

23 **ATT (attenuate) button**
To attenuate the sound. To cancel, press again.

24 **SEL (select) button**
To select items.

25 **↑ (+)/↓ (–) buttons**
To control CD, the same as (GP/ALBM) –/+ on the unit.

26 **Number buttons**
To receive stored stations (press); store sations (press and hold).

*1 *When an ATRAC CD is played.*
*2 *When an MP3/WMA is played.*

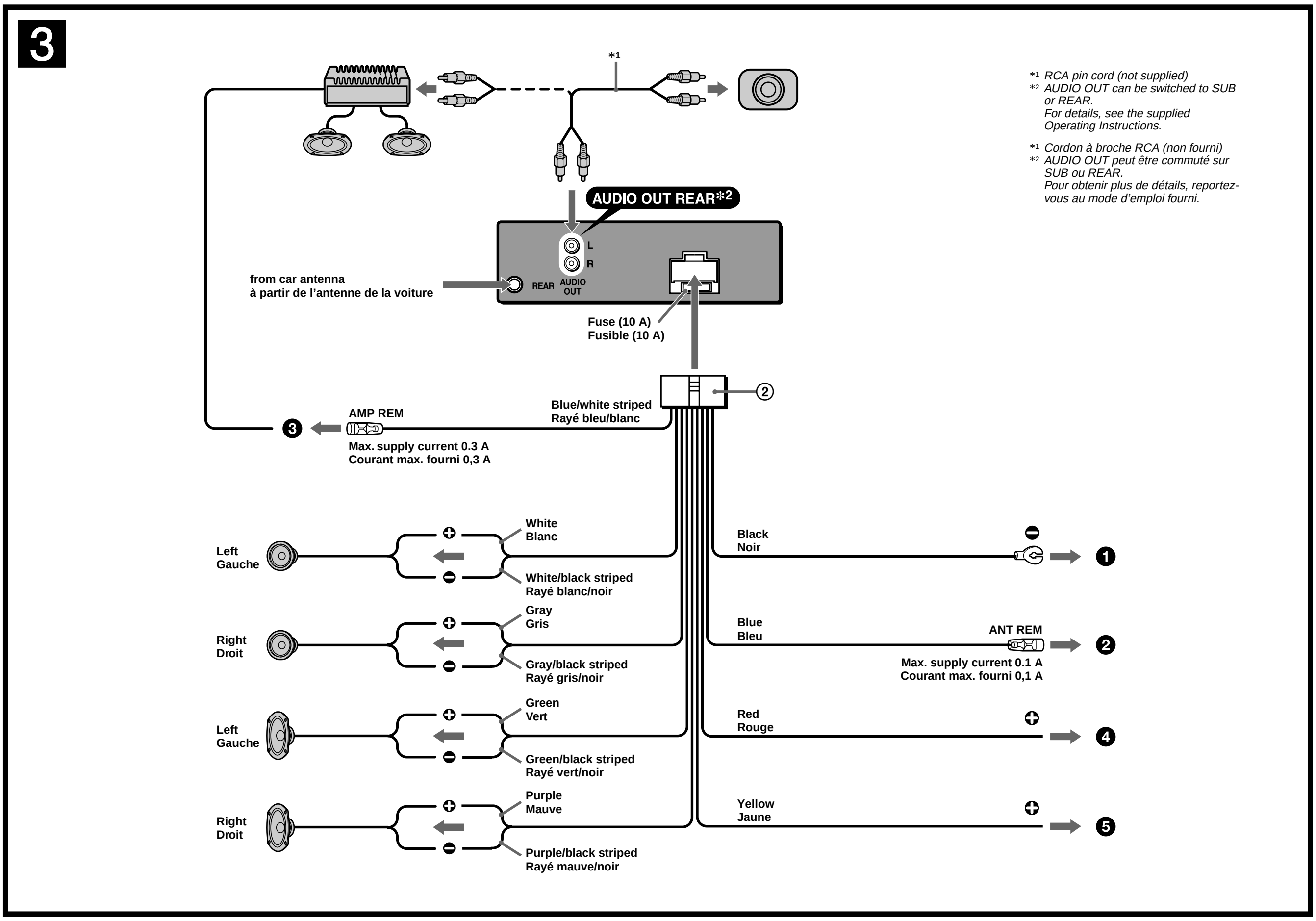
Note
If the unit is turned off and the display disappears, it cannot be operated with the card remote commander unless (SOURCE) on the unit is pressed, or a disc is inserted to activate the unit first.

Tip
For details on how to replace the battery, see "Replacing the lithium battery of the card remote commander" on page 12.

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- **CONNECTIONS**
- **CDX-GT20W/GT200: US, Canadian/GT250S**



Connection diagram 3

❶ To a metal surface of the car
First connect the black ground lead, then connect the yellow and red power input leads.

❷ To the power antenna control lead or power supply lead of antenna booster amplifier
Notes
- *It is not necessary to connect this lead if there is no power antenna or antenna booster, or with a manually-operated telescopic antenna.*
- *When your car has a built-in FM/AM antenna in the rear/side glass, see "Notes on the control and power supply leads."*

❸ To AMP REMOTE IN of an optional power amplifier
This connection is only for amplifiers. Connecting any other system may damage the unit.

❹ To the +12 V power terminal which is energized in the accessory position of the ignition key switch
Notes
- *If there is no accessory position, connect to the +12 V power (battery) terminal which is energized at all times. Be sure to connect the black ground lead to a metal surface of the car first.*
- *When your car has a built-in FM/AM antenna in the rear/side glass, see "Notes on the control and power supply leads."*

❺ To the +12 V power terminal which is energized at all times
Be sure to connect the black ground lead to a metal surface of the car first.

Notes on the control and power supply leads
- *The power antenna control lead (blue) supplies +12 V DC when you turn on the tuner.*
- *When your car has built-in FM/AM antenna in the rear/side glass, connect the power antenna control lead (blue) or the accessory power input lead (red) to the power terminal of the existing antenna booster. For details, consult your dealer.*
- *A power antenna without a relay box cannot be used with this unit.*

Memory hold connection
When the yellow power input lead is connected, power will always be supplied to the memory circuit even when the ignition switch is turned off.

Notes on speaker connection
- *Before connecting the speakers, turn the unit off.*
- *Use speakers with an impedance of 4 to 8 ohms, and with adequate power handling capacities to avoid its damage.*
- *Do not connect the speaker terminals to the car chassis, or connect the terminals of the right speakers with those of the left speaker.*
- *Do not connect the ground lead of this unit to the negative (–) terminal of the speaker.*
- *Do not attempt to connect the speakers in parallel.*
- *Connect only passive speakers. Connecting active speakers (with built-in amplifiers) to the speaker terminals may damage the unit.*
- *To avoid a malfunction, do not use the built-in speaker leads installed in your car if the unit shares a common negative (–) lead for the right and left speakers.*
- *Do not connect the unit's speaker leads to each other.*

Note on connection
If speaker and amplifier are not connected correctly, "FAILURE" appears in the display. In this case, make sure the speaker and amplifier are connected correctly.

Schéma de raccordement 3

❶ À un point métallique de la voiture
Branchez d'abord le câble de mise à la masse noir et, ensuite, les câbles d'entrée d'alimentation jaune et rouge.

❷ Vers le câble de commande d'antenne électrique ou le câble d'alimentation de l'amplificateur d'antenne
Remarques
- *Il n'est pas nécessaire de raccorder ce câble s'il n'y a pas d'antenne électrique ni d'amplificateur d'antenne, ou avec une antenne télescopique manuelle.*
- *Si votre voiture est équipée d'une antenne FM/AM intégrée dans la vitre arrière/latérale, voir « Remarques sur les câbles de commande et d'alimentation ».*

❸ Au niveau de AMP REMOTE IN de l'amplificateur de puissance en option
Ce raccordement s'applique uniquement aux amplificateurs. Le branchement de tout autre système risque d'endommager l'appareil.

❹ À la borne +12 V qui est alimentée quand la clé de contact est sur la position accessoires
Remarques
- *S'il n'y a pas de position accessoires, raccordez la borne d'alimentation (batterie) +12 V qui est alimentée en permanence.*
  Raccordez d'abord le câble de mise à la masse noir à un point métallique du véhicule.
- *Si votre voiture est équipée d'une antenne FM/AM intégrée dans la vitre arrière/latérale, voir « Remarques sur les câbles de commande et d'alimentation ».*

❺ À la borne +12 V qui est alimentée en permanence
Raccordez d'abord le câble de mise à la masse noir à un point métallique du véhicule.

Remarques sur les câbles de commande et d'alimentation
- *Le câble de commande d'antenne électrique (bleu) fournit une alimentation de +12 V CC lorsque vous mettez la radio sous tension.*
- *Lorsque votre voiture est équipée d'une antenne FM/AM intégrée dans la vitre arrière/latérale, raccordez le câble de commande d'antenne (bleu) ou l'entrée d'alimentation des accessoires (rouge) à la borne d'alimentation de l'amplificateur d'antenne existant. Pour plus de détails, consultez votre détaillant.*
- *Une antenne électrique sans boîtier de relais ne peut pas être utilisée avec cet appareil.*

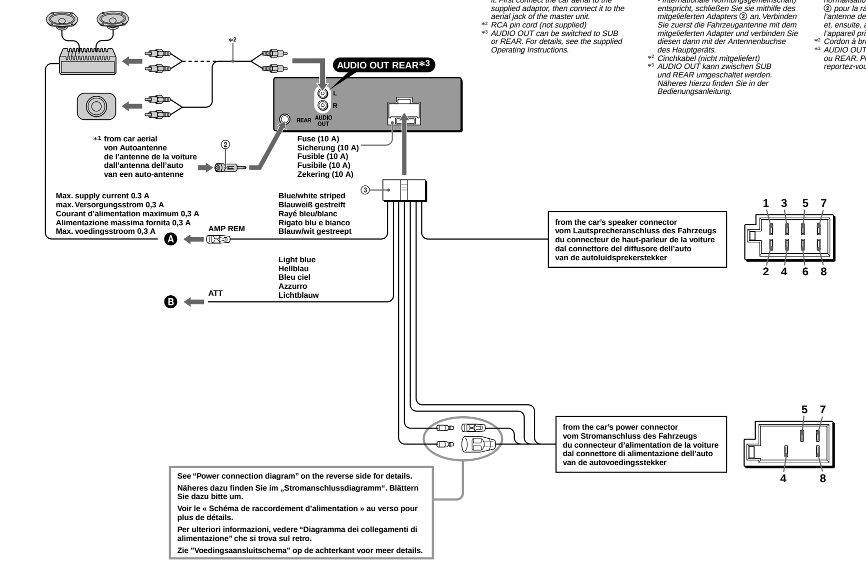
Raccordement pour la conservation de la mémoire
Lorsque le câble d'entrée d'alimentation jaune est raccordé, le circuit de la mémoire est alimenté en permanence même si la clé de contact est sur la position d'arrêt.

Remarques sur le raccordement des haut-parleurs
- *Avant de raccorder les haut-parleurs, mettez l'appareil hors tension.*
- *Utilisez des haut-parleurs ayant une impédance de 4 à 8 ohms avec une capacité électrique adéquate pour éviter de les endommager.*
- *Ne raccordez pas les bornes du système de haut-parleurs au châssis de la voiture et ne raccordez pas les bornes des haut-parleurs droit à celles du haut-parleur gauche.*
- *Ne raccordez pas le câble de mise à la masse de cet appareil à la borne négative (–) du haut-parleur.*
- *N'essayez pas de raccorder les haut-parleurs en parallèle.*
- *Raccordez uniquement des haut-parleurs passifs. Le raccordement de haut-parleurs actifs (avec amplificateurs intégrés) aux bornes des haut-parleurs peut endommager l'appareil.*
- *Pour éviter tout dysfonctionnement, n'utilisez pas les câbles des haut-parleurs intégrés installés dans votre voiture si l'appareil partage un câble négatif commun (–) pour les haut-parleurs droit et gauche.*
- *Ne raccordez pas entre eux les cordons des haut-parleurs de l'appareil.*

Remarque sur le raccordement
Si les haut-parleurs et l'amplificateur ne sont pas raccordés correctement, le message « FAILURE » s'affiche. Dans ce cas, assurez-vous que les haut-parleurs et l'amplificateur sont bien raccordés.

• CDX-GT200: AEP, UK/GT200E/GT200S

3



*1 *Note for the aerial connecting*
If your car aerial is an ISO (International Organization for Standardization) type, use the supplied adaptor ② to connect it. First connect the car aerial to the supplied adaptor, then connect it to the aerial jack of the master unit.
*2 *RCA pin cord (not supplied)*
*3 *AUDIO OUT can be switched to SUB or REAR. For details, see the supplied Operating Instructions.*

*1 *Hinweis zum Anschließen der Antenne*
Wenn Ihre Fahrzeugantenne der ISO-Norm (ISO = International Organization for Standardization - Internationale Normungsgemeinschaft) entspricht, schließen Sie sie mithilfe des mitgelieferten Adapters ② an. Verbinden Sie zuerst die Fahrzeugantenne mit dem mitgelieferten Adapter und verbinden Sie diesen dann mit der Antennenbuchse des Hauptgeräts.
*2 *Cinchkabel (nicht mitgeliefert)*
*3 *AUDIO OUT kann zwischen SUB und REAR umgeschaltet werden. Näheres hierzu finden Sie in der Bedienungsanleitung.*

*1 *Remarque sur le raccordement de l'antenne*
Si votre antenne de voiture est de type ISO (Organisation internationale de normalisation), utilisez l'adaptateur fourni ② pour la raccorder. Raccordez d'abord l'antenne de voiture à l'adaptateur fourni et, ensuite, à la prise d'antenne de l'appareil principal.
*2 *Cordon à broche RCA (non fourni)*
*3 *AUDIO OUT peut être commuté sur SUB ou REAR. Pour obtenir plus de détails, reportez-vous au mode d'emploi.*

*1 *Nota per il collegamento dell'antenna*
Se l'antenna dell'auto è di tipo ISO (International Organization for Standardization), utilizzare l'adattatore ② in dotazione per collegarla. Collegare prima l'antenna della macchina all'adattatore in dotazione, quindi collegarla alla presa dell'antenna dell'apparecchio principale.
*2 *Cavo a piedini RCA (non in dotazione)*
*3 *AUDIO OUT può essere impostato su SUB o su REAR. Per ulteriori informazioni, consultare il manuale di istruzioni per l'uso.*

*1 *Opmerking bij de antenne-aansluiting*
Indien uw auto is uitgerust met een antenne van het type ISO (International Organisation for Standardization), moet u die aansluiten met behulp van de bijgeleverde adapter ②. Sluit eerst de auto-antenne aan op de meegeleverde adapter en vervolgens de antennestekker op het hoofdtoestel.
*2 *Tulpstekkersnoer (niet bijgeleverd)*
*3 *AUDIO OUT kan worden ingesteld op SUB of REAR. Raadpleeg de handleiding met gebruiksaanwijzingen voor meer informatie.*

Pos.	Colour	Pol.	Function	Pos.	Colour	Pol.	Function
1	Purple Violett Mauve Viola Paars	+	Speaker, Rear, Right Lautsprecher hinten rechts Haut-parleur, arrière, droit Diffusore, posteriore, destro Luidspreker, achter, rechts	5	White Weiß Blanc Bianco Wit	+	Speaker, Front, Left Lautsprecher vorne links Haut-parleur, avant, gauche Diffusore, anteriore, sinistro Luidspreker, voor, links
2		–	Speaker, Rear, Right Lautsprecher hinten rechts Haut-parleur, arrière, droit Diffusore, posteriore, destro Luidspreker, achter, rechts	6		–	Speaker, Front, Left Lautsprecher vorne links Haut-parleur, avant, gauche Diffusore, anteriore, sinistro Luidspreker, voor, links
3	Grey Grau Gris Grigio Grijs	+	Speaker, Front, Right Lautsprecher vorne rechts Haut-parleur, avant, droit Diffusore, anteriore, destro Luidspreker, voor, rechts	7	Green Grün Vert Verde Groen	+	Speaker, Rear, Left Lautsprecher hinten links Haut-parleur, arrière, gauche Diffusore, posteriore, sinistro Luidspreker, achter, links
4		–	Speaker, Front, Right Lautsprecher vorne rechts Haut-parleur, avant, droit Diffusore, anteriore, destro Luidspreker, voor, rechts	8		–	Speaker, Rear, Left Lautsprecher hinten links Haut-parleur, arrière, gauche Diffusore, posteriore, sinistro Luidspreker, achter, links

Negative polarity positions 2, 4, 6, and 8 have striped leads.
An den negativ gepolten Positionen 2, 4, 6 und 8 be nden sich gestreifte Adern.
Les positions de polarité négative 2, 4, 6 et 8 sont dotées de cordons rayés.
Le posizioni a polarità negativa 2, 4, 6 e 8 hanno cavi rigati.
De posities voor negatieve polariteit (2, 4, 6 en 8) hebben gestreepte kabels.

Pos.	Colour	Function	Pos.	Colour	Function
4	Yellow Gelb Jaune Giallo Geel	continuous power supply permanente Stromversorgung alimentation continue alimentazione continua continu voeding	7	Red Rot Rouge Rosso Rood	switched power supply geschaltete Stromversorgung alimentation commutée alimentazione commutata geschakelde voeding
5	Blue Blau Bleu Blu Blauw	power aerial control Motorantennensteuerung antenne électrique comando dell'antenna elettrica automatische antenne	8	Black Schwarz Noir Nero Zwart	earth Masse masse terra aarding

Positions 1, 2, 3, and 6 do not have pins.
An Position 1, 2, 3 und 6 befinden sich keine Stifte.
Les positions 1, 2, 3 et 6 ne comportent pas de broches.
Le posizioni 1, 2, 3 e 6 non hanno piedini.
De posities 1, 2, 3 en 6 hebben geen pins.

Connection diagram 3

A To AMP REMOTE IN of an optional power amplifier
This connection is only for amplifiers. Connecting any other system may damage the unit.

B To the interface cable of a car telephone

Warning

If you have a power aerial without a relay box, connecting this unit with the supplied power connecting lead ③ may damage the aerial.

Notes on the control power and suppy leads
- *The power aerial control lead (blue) supplies +12 V DC when you turn on the tuner, or when you activate the AF (Alternative Frequency) or TA (Traffic Announcement) function.*
- *When your car has built-in FM/MW/LW aerial in the rear/side glass, connect the power aerial control lead (blue) or the accessory power input lead (red) to the power terminal of the existing aerial booster. For details, consult your dealer.*
- *A power aerial without a relay box cannot be used with this unit.*

Memory hold connection
When the yellow power input lead is connected, power will always be supplied to the memory circuit even when the ignition switch is turned off.

Notes on speaker connection
- *Before connecting the speakers, turn the unit off.*
- *Use speakers with an impedance of 4 to 8 ohms, and with adequate power handling capacities to avoid its damage.*
- *Do not connect the speaker terminals to the car chassis, or connect the terminals of the right speakers with those of the left speaker.*
- *Do not connect the earth lead of this unit to the negative (–) terminal of the speaker.*
- *Do not attempt to connect the speakers in parallel.*
- *Connect only passive speakers. Connecting active speakers (with built-in amplifiers) to the speaker terminals may damage the unit.*
- *To avoid a malfunction, do not use the built-in speaker leads installed in your car if the unit shares a common negative (–) lead for the right and left speakers.*
- *Do not connect the unit's speaker leads to each other.*

Note on connection
If speaker and amplifier are not connected correctly, "FAILURE" appears in the display. In this case, make sure the speaker and amplifier are connected correctly.

Anschlussdiagramm 3

A An AMP REMOTE IN des gesondert erhältlichen Endverstärkers
Dieser Anschluss ist ausschließlich für Verstärker gedacht. Schließen Sie nichts anderes daran an. Andernfalls kann das Gerät beschädigt werden.

B An Schnittstellenkabel eines Autotelefons

Warnung

Wenn Sie eine Motorantenne ohne Relaiskästchen verwenden, kann durch Anschließen dieses Geräts mit dem mitgelieferten Stromversorgungskabel ③ die Antenne beschädigt werden.

Steuer- und Stromversorgungsleitungen
- *Die Motorantennen-Steuerleitung (blau) liefert +12 V Gleichstrom, wenn Sie den Tuner einschalten oder die AF- (Alternativfrequenzsuche) oder die TA-Funktion (Verkehrsdurchsagen) aktivieren.*
- *Wenn das Fahrzeug mit einer in der Heck-/Seitenfensterscheibe integrierten FM (UKW)/MW/LW-Antenne ausgestattet ist, schließen Sie die Motorantennen-Steuerleitung (blau) oder die Zubehörstromversorgungsleitung (rot) an den Stromversorgungsanschluss des vorhandenen Antennenverstärkers an. Näheres dazu erfahren Sie bei Ihrem Händler.*
- *Es kann nur eine Motorantenne mit Relaiskästchen angeschlossen werden.*

Stromversorgung des Speichers
Wenn die gelbe Stromversorgungsleitung angeschlossen ist, wird der Speicher stets (auch bei ausgeschalteter Zündung) mit Strom versorgt.

Hinweise zum Lautsprecheranschluss
- *Schalten Sie das Gerät aus, bevor Sie die Lautsprecher anschließen.*
- *Verwenden Sie Lautsprecher mit einer Impedanz zwischen 4 und 8 Ohm und ausreichender Belastbarkeit. Ansonsten können die Lautsprecher beschädigt werden.*
- *Verbinden Sie die Lautsprecheranschlüsse nicht mit dem Wagenchassis und verbinden Sie auch nicht die Anschlüsse des rechten mit denen des linken Lautsprechers.*
- *Verbinden Sie die Masseleitung dieses Geräts nicht mit dem negativen (–) Lautsprecheranschluss.*
- *Versuchen Sie nicht, Lautsprecher parallel anzuschließen.*
- *An die Lautsprecheranschlüsse dieses Geräts dürfen nur Passivlautsprecher angeschlossen werden. Schließen Sie keine Aktivlautsprecher (Lautsprecher mit eingebauten Verstärkern) an, da das Gerät sonst beschädigt werden könnte.*
- *Um Fehlfunktionen zu vermeiden, verwenden Sie nicht die im Fahrzeug installierten, integrierten Lautsprecherleitungen, wenn am Ende eine gemeinsame negative (–) Leitung für den rechten und den linken Lautsprecher verwendet wird.*
- *Verbinden Sie nicht die Lautsprecherkabel des Geräts miteinander.*

Hinweis zum Anschließen
Wenn Lautsprecher und Verstärker nicht richtig angeschlossen sind, erscheint „FAILURE" im Display. Vergewissern Sie sich in diesem Fall, dass Lautsprecher und Verstärker richtig angeschlossen sind.

Schémas de raccordement 3

A Au niveau du AMP REMOTE IN d'un amplificateur de puissance facultatif
Ce raccordement existe seulement pour les amplificateurs. Le raccordement à tout autre système peut endommager l'appareil.

B Vers le cordon de liaison d'un téléphone de voiture

Avertissement

Si vous disposez d'une antenne électrique sans boîtier de relais, le branchement de cet appareil au moyen du cordon d'alimentation fourni ③ risque d'endommager l'antenne.

Remarques sur les câbles de commande et de puissance
- *Le câble de commande (bleu) fournit du courant continu de +12 V lorsque vous mettez le tuner sous tension ou lorsque vous activez la fonction AF (fréquence alternative) ou TA (informations circulation).*
- *Lorsque votre voiture est équipée d'une antenne FM/MW (GO)/LW (PO) intégrée dans la vitre arrière/latérale, raccordez le câble de commande d'antenne (bleu) ou l'entrée d'alimentation des accessoires (rouge) au bornier de l'amplificateur d'antenne existant. Pour plus de détails, consultez votre revendeur.*
- *Une antenne électrique sans boîtier de relais ne peut pas être utilisée avec cet appareil.*

Raccordement pour la conservation de la mémoire
Lorsque le câble de commande d'antenne jaune est connecté, le circuit de la mémoire est alimenté en permanence même si la clé de contact est en position d'arrêt.

Remarques sur le raccordement des haut-parleurs
- *Avant de raccorder les haut-parleurs, mettre l'appareil hors tension.*
- *Utiliser des haut-parleurs ayant une impédance de 4 à 8 ohms et une capacité adéquate sous peine de les endommager.*
- *Ne pas raccorder les bornes du système de haut-parleurs au châssis de la voiture et ne pas connecter les bornes du haut-parleur droit à celles du haut-parleur gauche.*
- *Ne pas raccorder le câble de mise à la masse de cet appareil à la borne négative (–) du haut-parleur.*
- *Ne pas tenter de raccorder les haut-parleurs en parallèle.*
- *Connectez uniquement des haut-parleurs passifs. La connexion de haut-parleurs actifs (avec des amplificateurs intégrés) aux bornes des haut-parleurs pourrait endommager l'appareil.*
- *Pour éviter tout dysfonctionnement, n'utilisez pas les câbles des haut-parleurs intégrés installés dans votre voiture si l'appareil dispose d'un câble négatif commun (–) pour les haut-parleurs droit et gauche.*
- *Ne raccordez pas entre eux les cordons des haut-parleurs de l'appareil.*

Remarque sur le raccordement
Si les enceintes et l'amplificateur ne sont pas raccordés correctement, le message « FAILURE » s'affiche. Dans ce cas, assurez-vous que les enceintes et l'amplificateur sont raccordés correctement.

Schema di collegamento 3

A A AMP REMOTE IN di un amplificatore di potenza opzionale
Questo collegamento è riservato esclusivamente agli amplificatori. Non collegare un tipo di sistema diverso onde evitare di causare danni all'apparecchio.

B Al cavo interfaccia di un telefono per auto

Avvertenza

Quando si collega l'apparecchio con il cavo di alimentazione in dotazione ③, si potrebbe danneggiare l'antenna elettrica se questa non dispone di scatola a relè.

Note sui cavi di controllo e di alimentazione
- *Il cavo (blu) di controllo dell'antenna elettrica fornisce alimentazione pari a +12 V CC quando si attiva il sintonizzatore oppure la funzione TA (notiziario sul traffico) o AF (frequenza alternativa).*
- *Se l'automobile è dotata di antenna FM/MW/LW incorporata nel vetro posteriore/laterale, collegare il cavo (blu) di controllo dell'antenna elettrica o il cavo (rosso) di ingresso dell'alimentazione accessoria al terminale di alimentazione del preamplificatore dell'antenna esistente. Per ulteriori informazioni, consultare il proprio fornitore.*
- *Non è possibile usare un'antenna elettrica senza scatola a relè con questo apparecchio.*

Collegamento per la conservazione della memoria
Quando il cavo di ingresso alimentazione giallo è collegato, viene sempre fornita alimentazione al circuito di memoria anche quando l'interruttore di accensione è spento.

Note sul collegamento dei diffusori
- *Prima di collegare i diffusori spegnere l'apparecchio.*
- *Usare diffusori di impedenza compresa tra 4 e 8 ohm e con capacità di potenza adeguata, altrimenti i diffusori potrebbero venir danneggiati.*
- *Non collegare i terminali del sistema diffusori al telaio dell'auto e non collegare i terminali del diffusore destro a quelli del diffusore sinistro.*
- *Non collegare il cavo di terra di questo apparecchio al terminale negativo (–) del diffusore.*
- *Non collegare i diffusori in parallelo.*
- *Assicurarsi di collegare soltanto diffusori passivi, poiché il collegamento di diffusori attivi, dotati di amplificatori incorporati, ai terminali dei diffusori potrebbe danneggiare l'apparecchio.*
- *Per evitare problemi di funzionamento, non utilizzare i cavi dei diffusori incorporati installati nell'automobile se l'apparecchio condivide un cavo comune negativo (–) per i diffusori destro e sinistro.*
- *Non collegare fra loro i cavi dei diffusori dell'apparecchio.*

Nota sui collegamenti
Se l'amplificatore e il diffusore non sono collegati correttamente, "FAILURE" viene visualizzato nel display. In tal caso, accertarsi che l'amplificatore e il diffusore siano collegati correttamente.

Aansluitschema 3

A Naar AMP REMOTE IN van een optionele eindversterker
Deze aansluiting is alleen bedoeld voor versterkers. Door een ander systeem aan te sluiten kan het apparaat worden beschadigd.

B Naar het interface-snoer van een autotelefoon

Waarschuwing

Indien u een elektrische antenne heeft zonder relaiskast, kan het aansluiten van deze eenheid met het bijgeleverde netsnoer ③ de antenne beschadigen.

Opmerkingen over de bedienings- en voedingskabels
- *De antennevoedingskabel (blauw) levert +12 V gelijkstroom wanneer u de tuner inschakelt of de AF (Alternative Frequency) of TA (Traffic Announcement) functie activeert.*
- *Wanneer uw auto is uitgerust met een FM/MW/LW-antenne in de achterruit/voorruit, moet u de antennevoedingskabel (blauw) of de hulpvoedingskabel (rood) aansluiten op de voedingsingang van de bestaande antenneversterker. Raadpleeg uw dealer voor meer details.*
- *Met dit apparaat is het niet mogelijk een automatische antenne zonder relaiskast te gebruiken.*

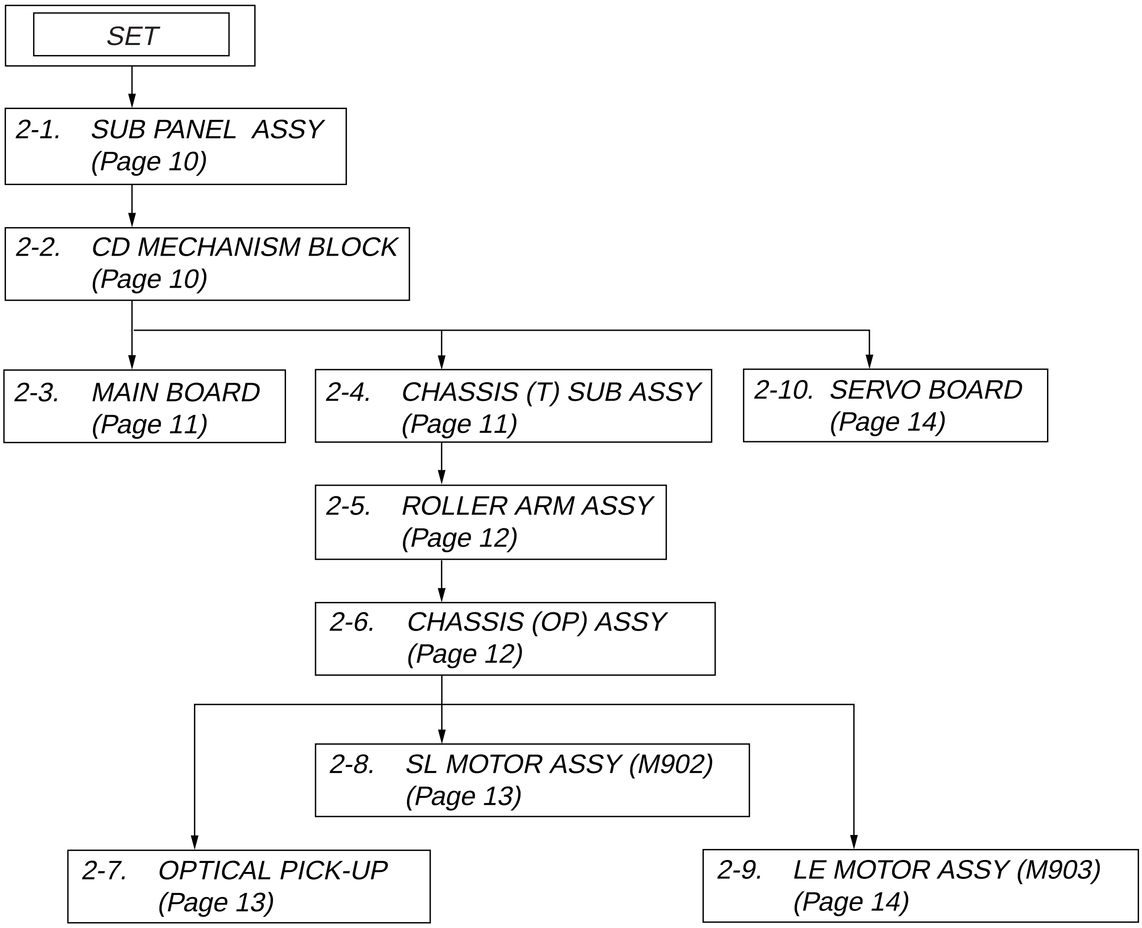
Instandhouden van het geheugen
Zolang de gele stroomdraad is aangesloten, blijft de stroomvoorziening van het geheugen intact, ook wanneer het contact van de auto wordt uitgeschakeld.

Opmerkingen betreffende het aansluiten van de luidsprekers
- *Zorg dat het apparaat is uitgeschakeld, alvorens de luidsprekers aan te sluiten.*
- *Gebruik luidsprekers met een impedantie van 4 tot 8 Ohm en let op dat die het vermogen van de versterker kunnen verwerken. Als dit wordt verzuimd, kunnen de luidsprekers ernstig beschadigd raken.*
- *Verbind in geen geval de aansluitingen van de luidsprekers met het chassis van de auto en sluit de aansluitingen van de rechter- en linkerluidspreker niet op elkaar aan.*
- *Verbind de aarddraad van dit apparaat niet met de negatieve (–) aansluiting van de luidspreker.*
- *Probeer nooit de luidsprekers parallel aan te sluiten.*
- *Sluit geen actieve luidsprekers (met ingebouwde versterkers) aan op de luidspreker-aansluiting van dit apparaat. Dit zal leiden tot beschadiging van de actieve luidsprekers. Sluit dus altijd uitsluitend luidsprekers zonder ingebouwde versterker aan.*
- *Om defecten te vermijden mag u de bestaande luidsprekerbedrading in uw auto niet gebruiken wanneer er een gemeenschappelijke negatieve (–) draad is voor de rechter- en linkerluidsprekers.*
- *Verbind de luidsprekerdraden niet met elkaar.*

Opmerking over aansluiten
Als de luidspreker en versterker niet correct zijn aangesloten, wordt "FAILURE" in het display weergegeven. In dit geval moet u zorgen dat de luidspreker en versterker correct zijn aangesloten.

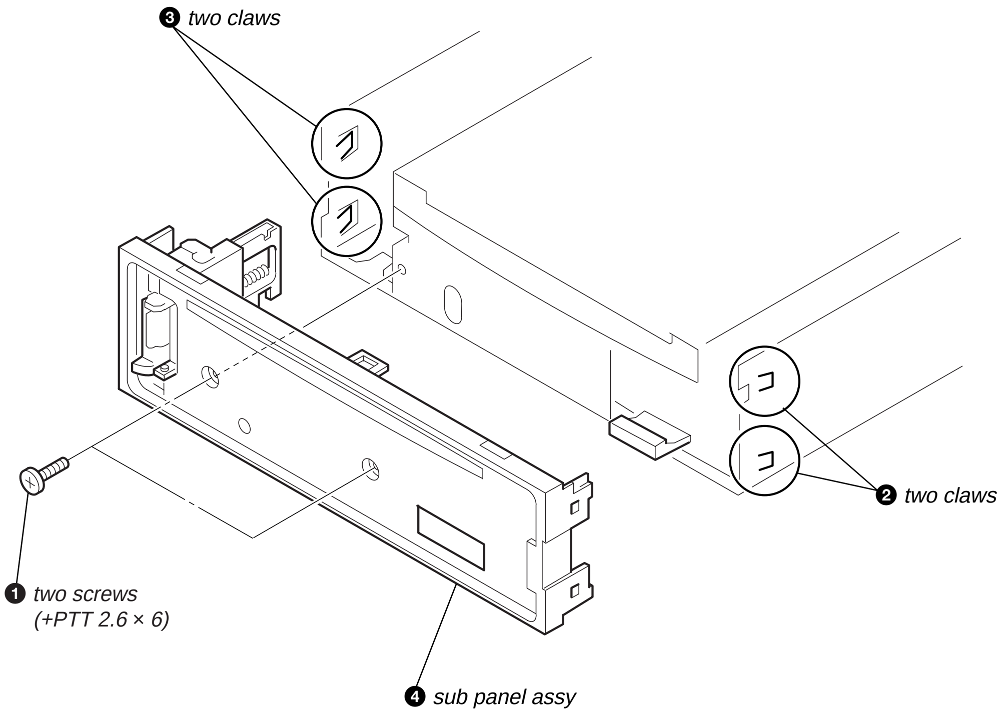
SECTION 2
DISASSEMBLY

Note : This set can be disassemble according to the following sequence.

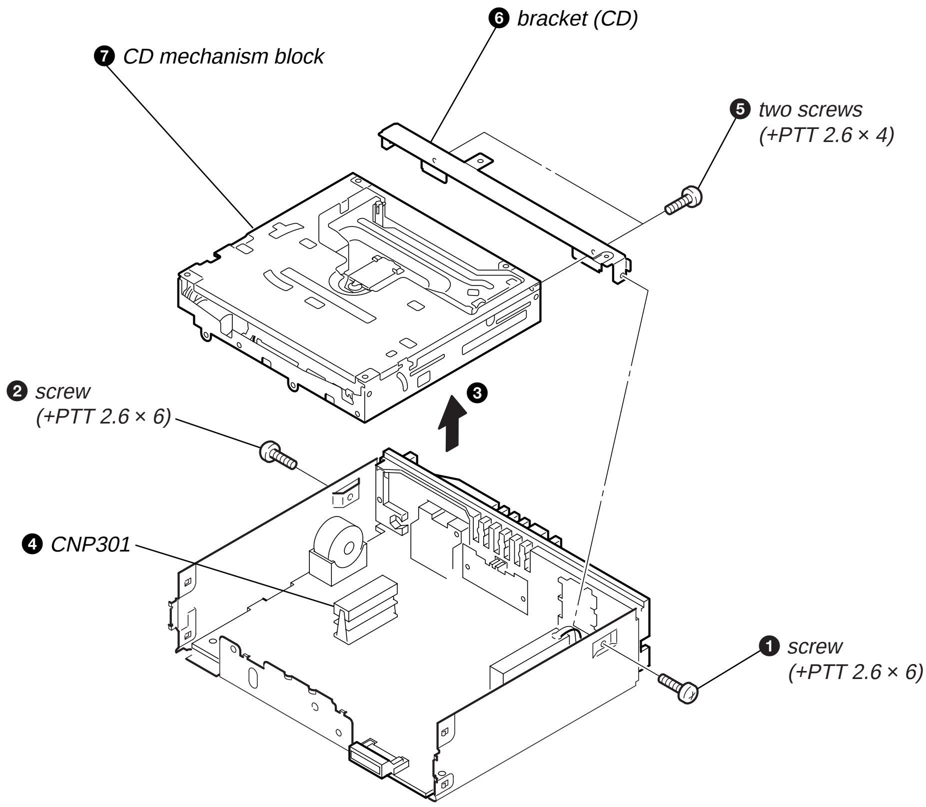


Note : Follow the disassembly procedure in the numerical order given.

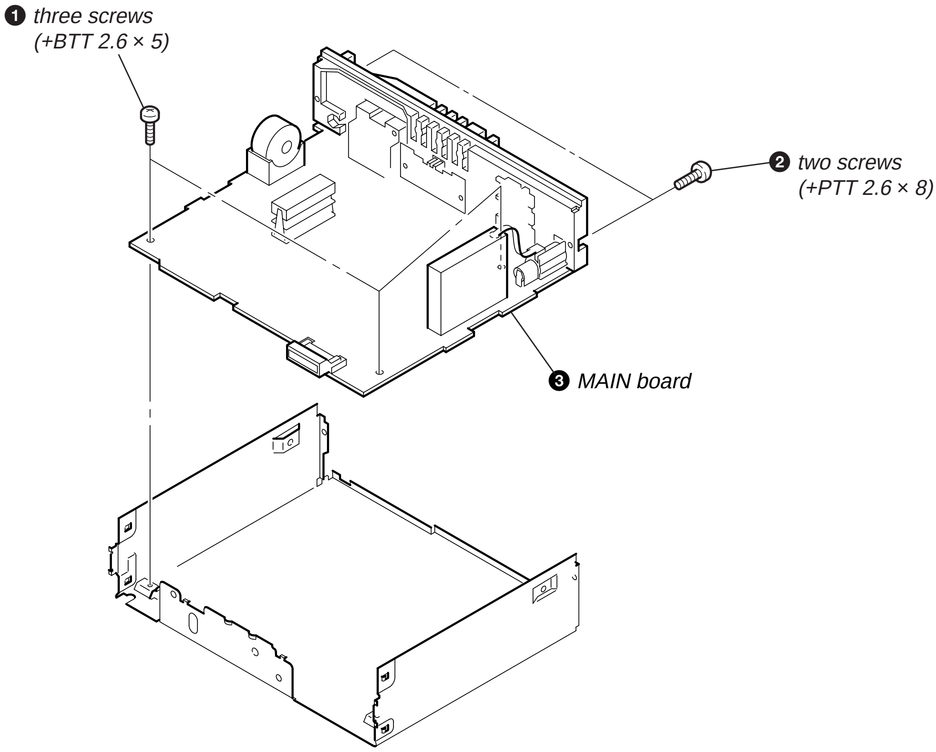
2-1. SUB PANEL ASSY



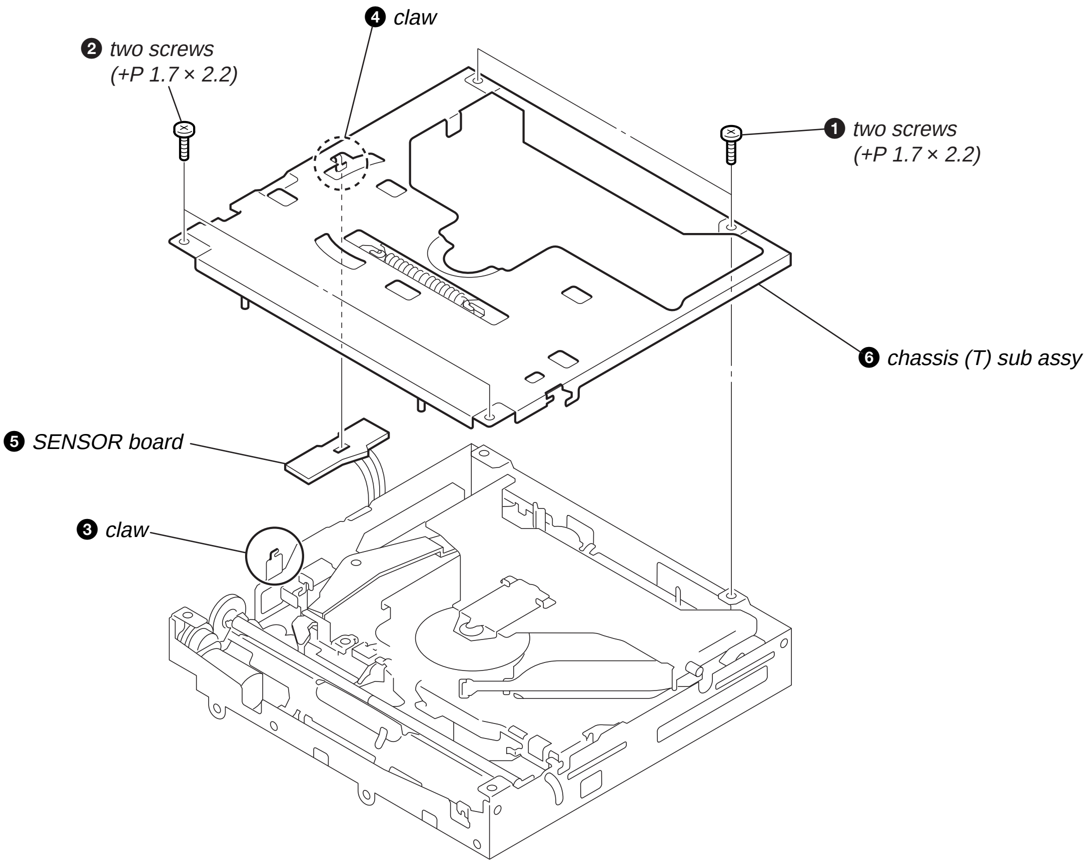
2-2. CD MECHANISM BLOCK



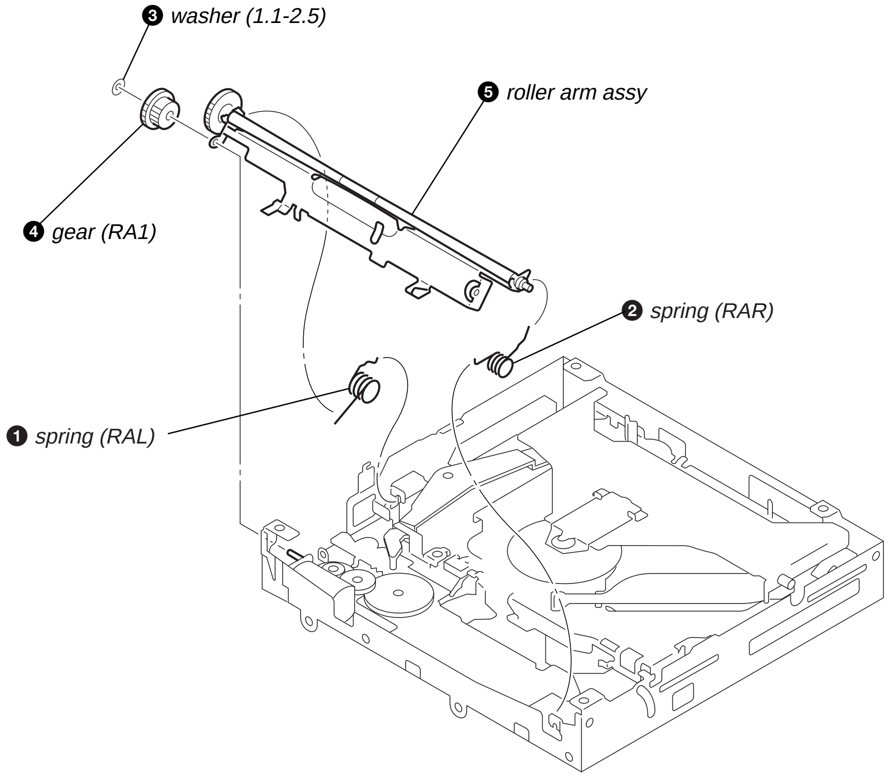
2-3. MAIN BOARD



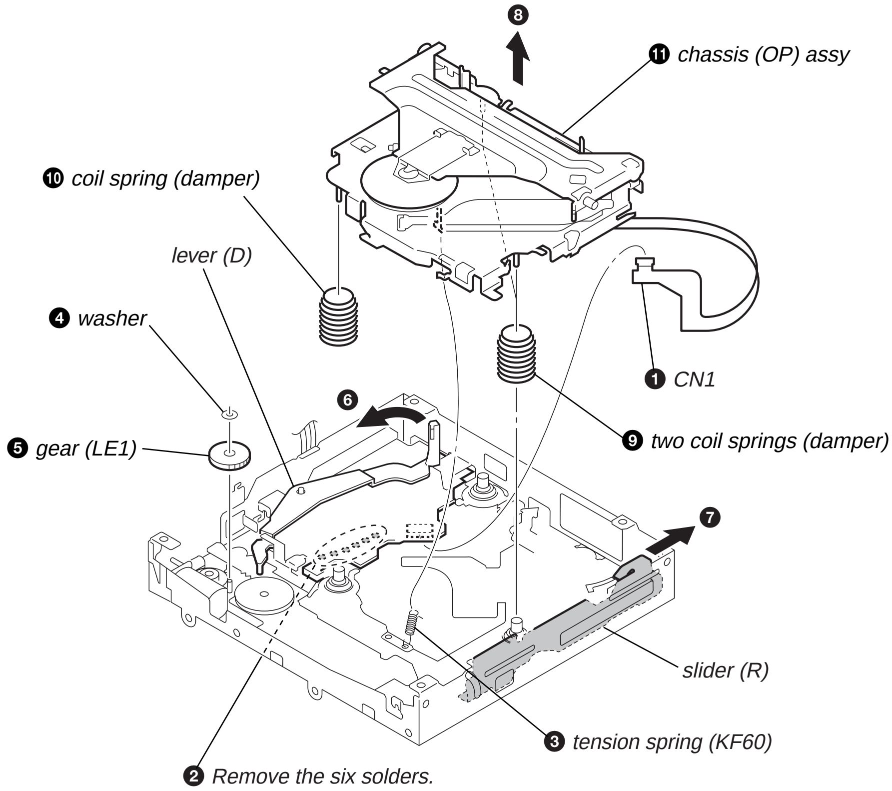
2-4. CHASSIS (T) SUB ASSY



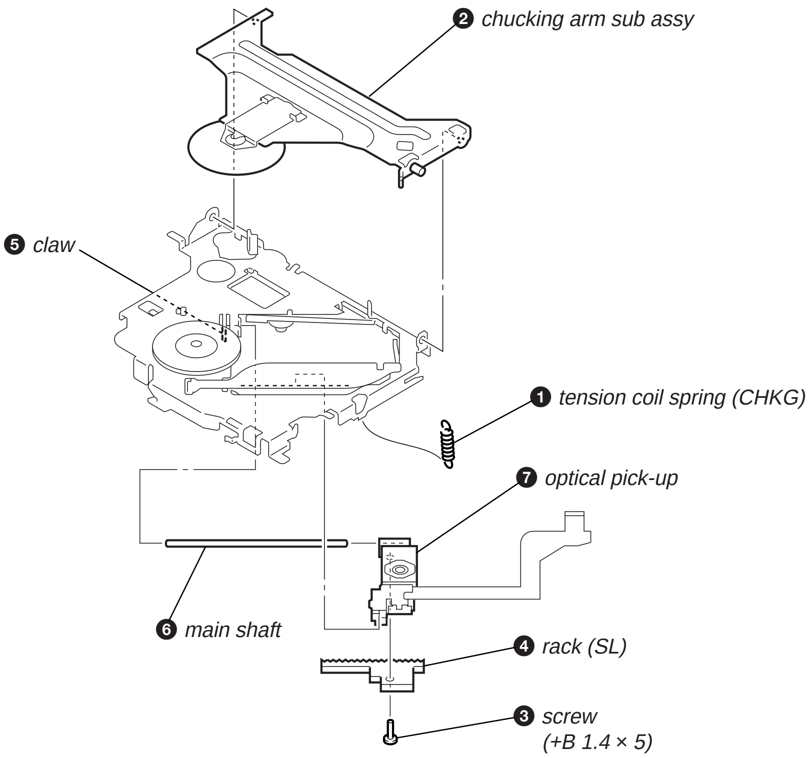
2-5. ROLLER ARM ASSY



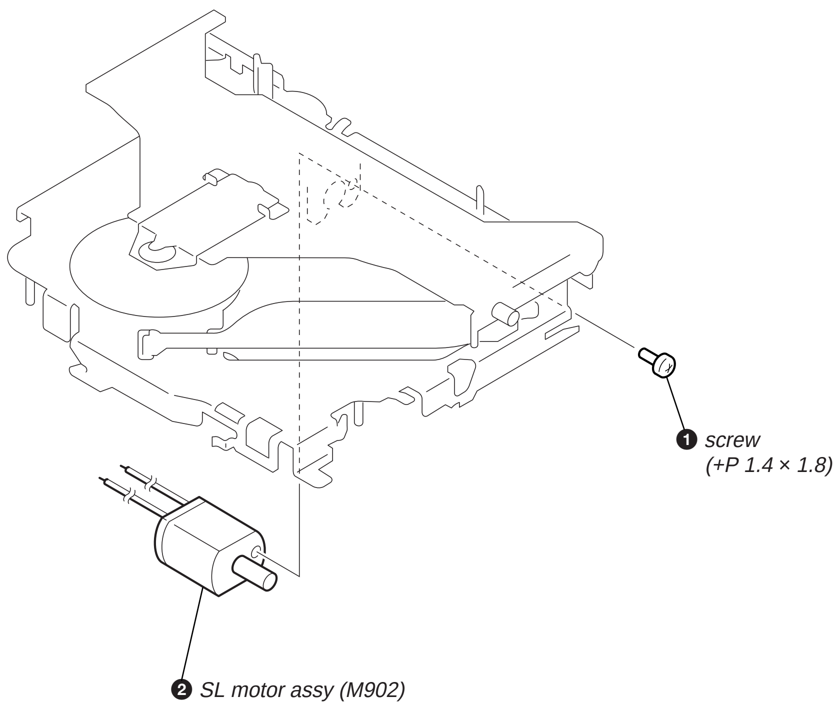
2-6. CHASSIS (OP) ASSY



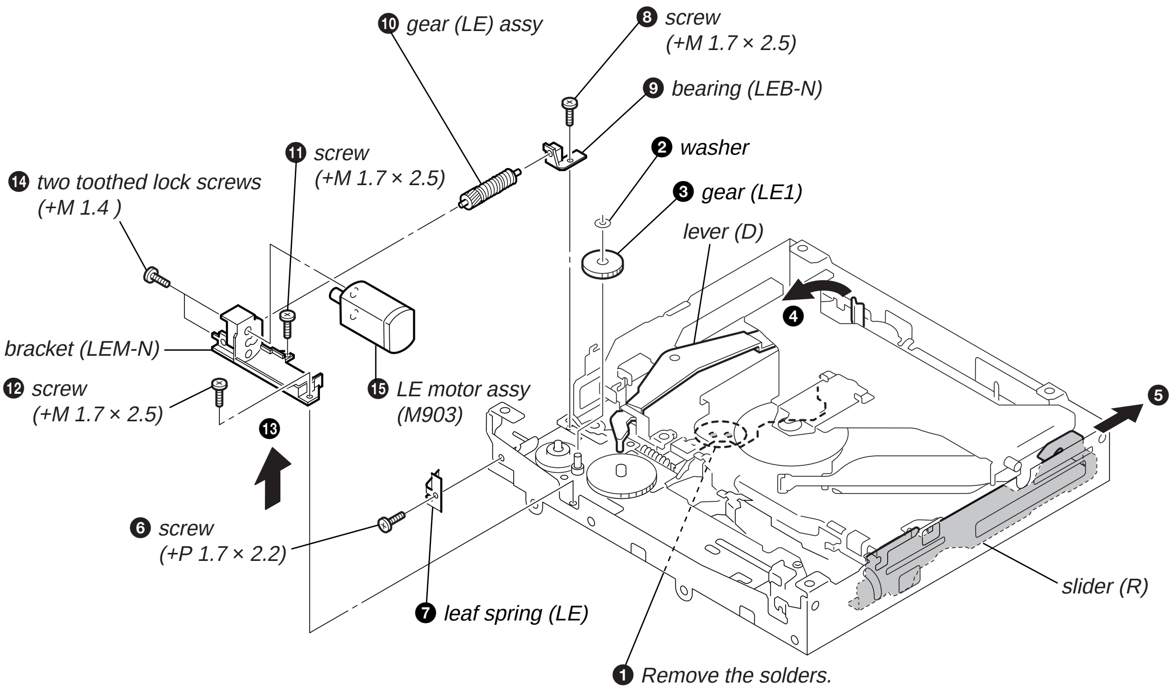
2-7. OPTICAL PICK-UP



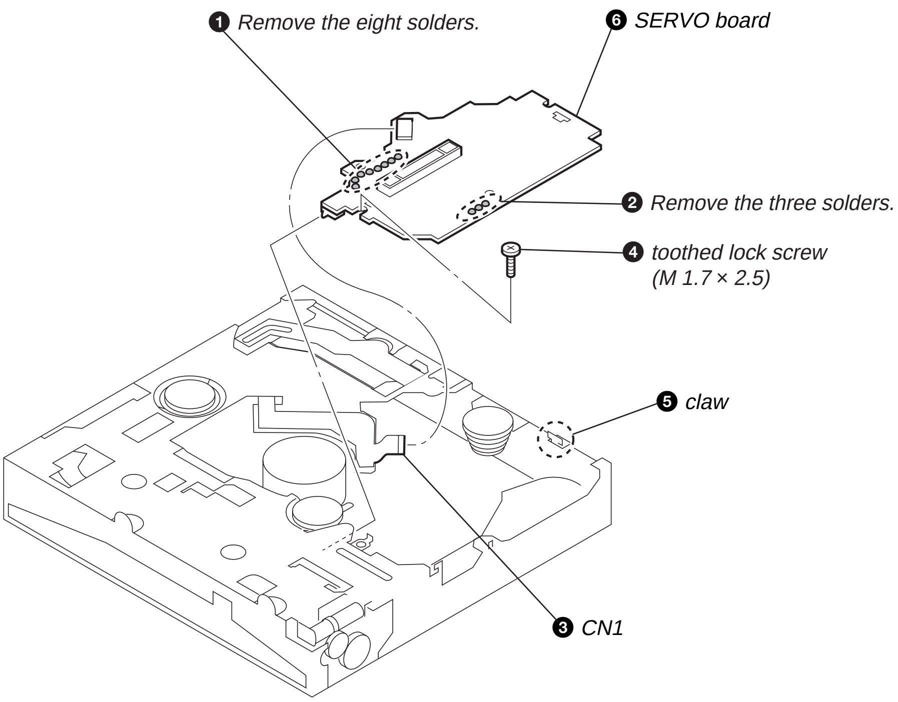
2-8. SL MOTOR ASSY (M902)



2-9. LE MOTOR ASSY (M903)

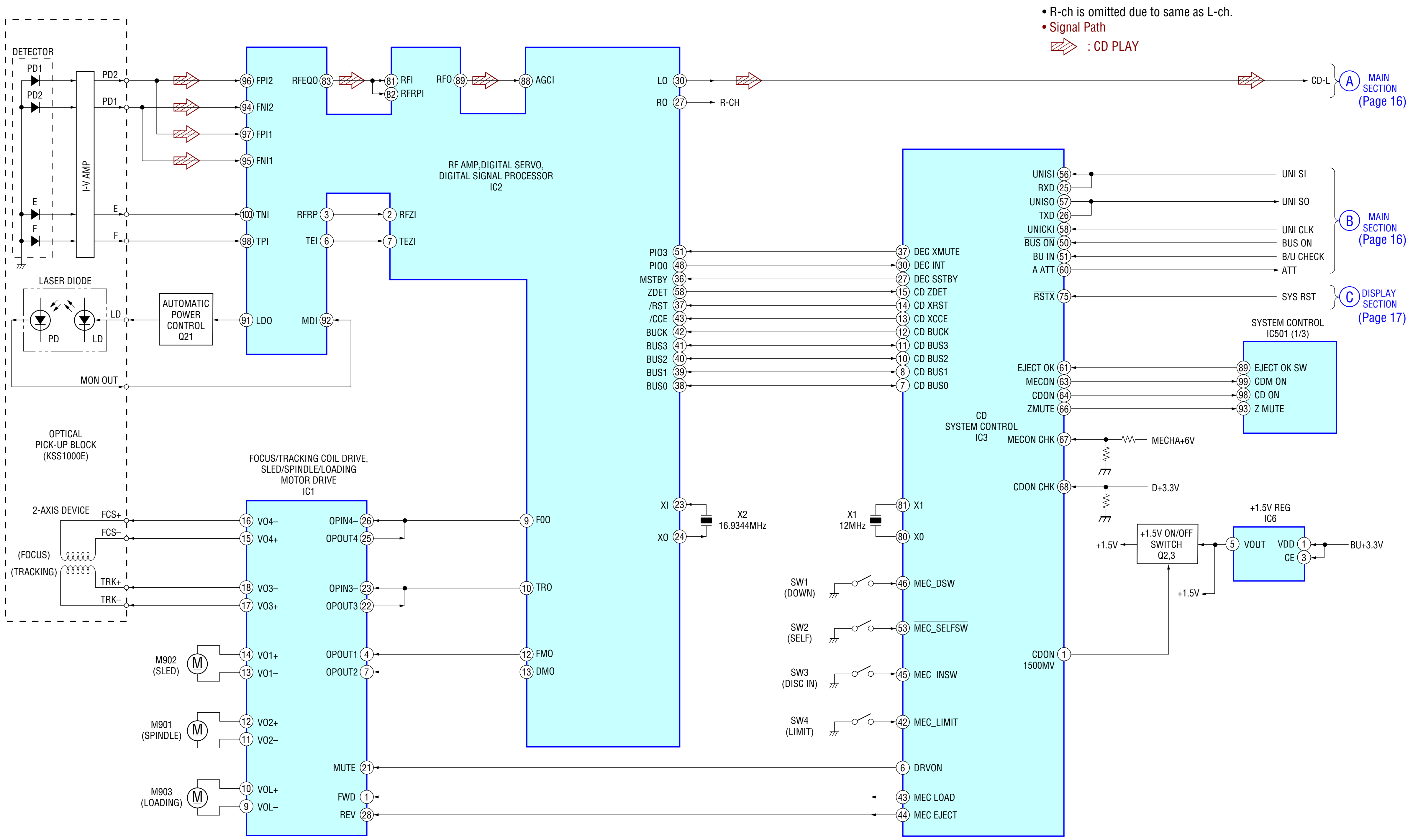


2-10. SERVO BOARD

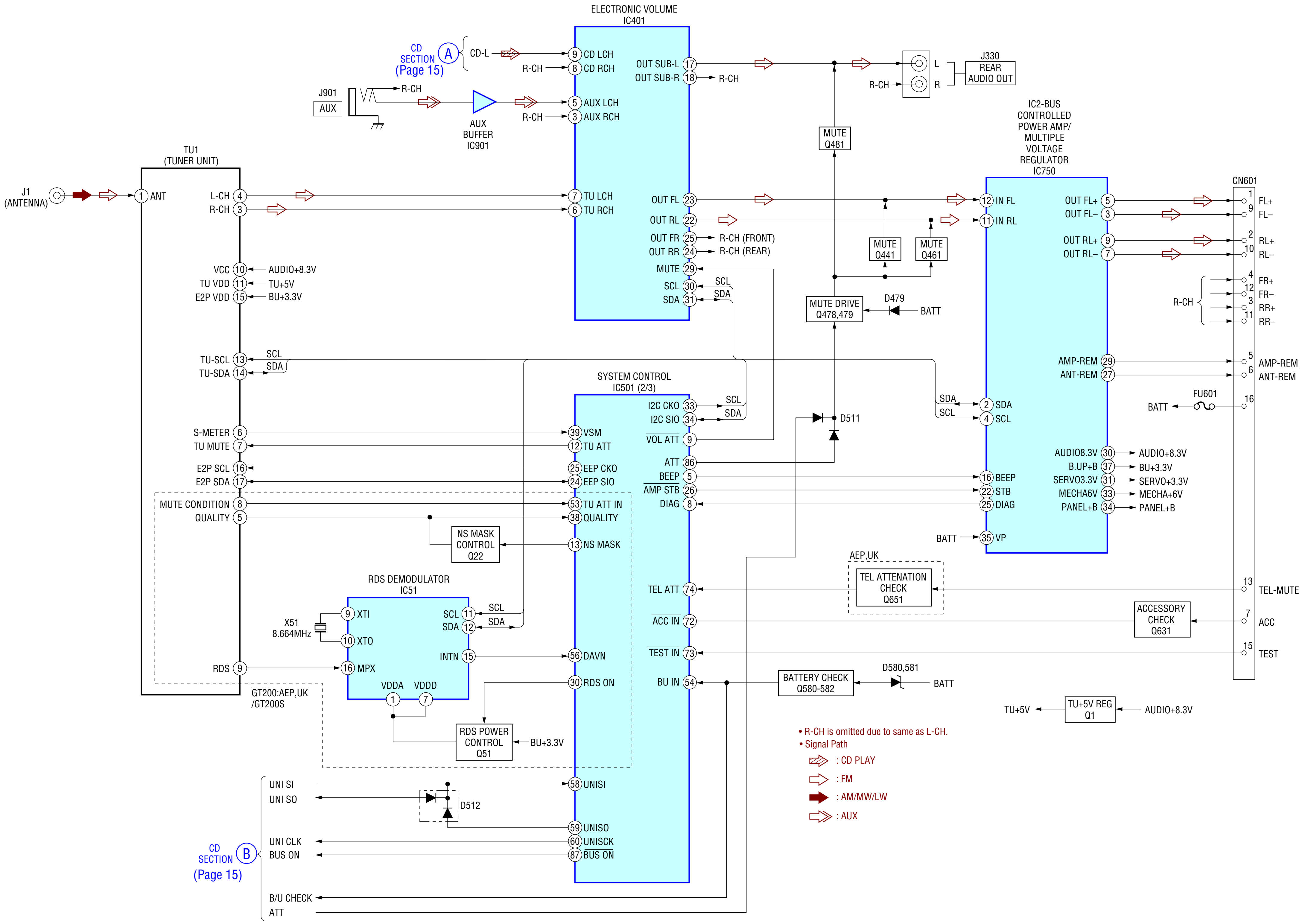


SECTION 3
DIAGRAMS

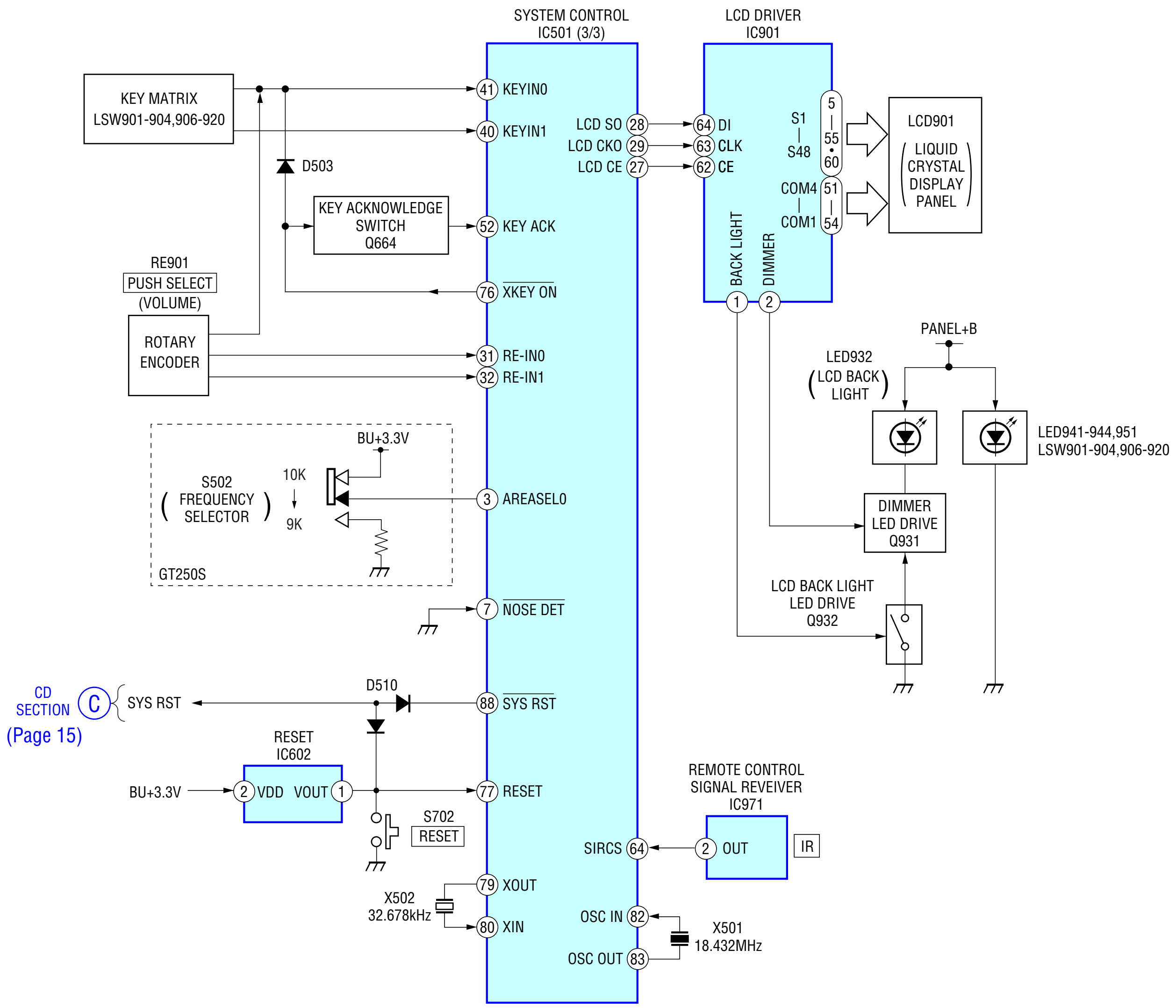
3-1. BLOCK DIAGRAM — CD SECTION —



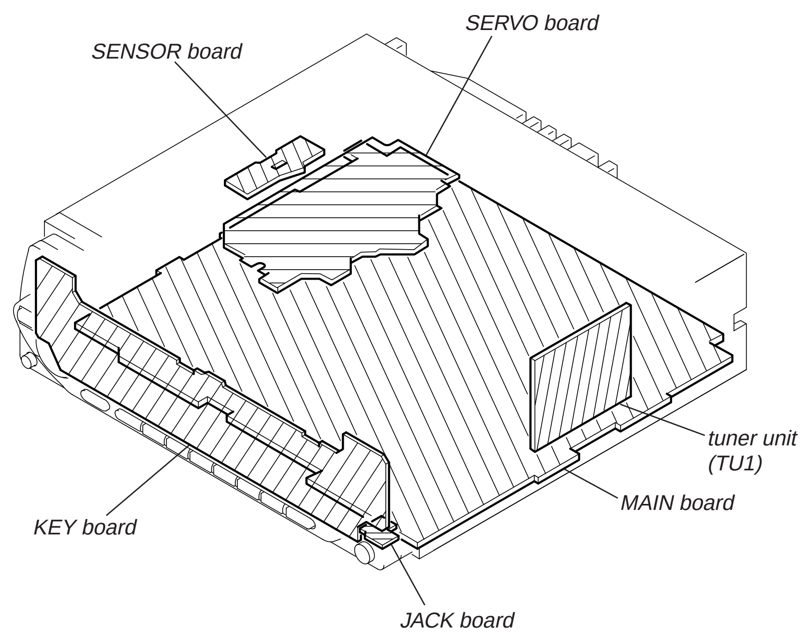
3-2. BLOCK DIAGRAM — MAIN SECTION —



3-3. BLOCK DIAGRAM — DISPLAY SECTION —



3-4. CIRCUIT BOARDS LOCATION



• NOTE FOR PRINTED WIRING BOARDS AND SCHEMATIC DIAGRAMS

THIS NOTE IS COMMON FOR PRINTED WIRING BOARDS AND SCHEMATIC DIAGRAMS.
(In addition to this, the necessary note is printed in each block.)

For schematic diagrams.

Note:

- All capacitors are in μF unless otherwise noted. (p: pF) 50 WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and $^1/_4$ W or less unless otherwise specified.
- △ : internal component.
- ▭ : panel designation.

Note:	Note:
The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une piéce portant le numéro spécifié.

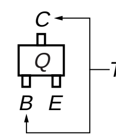
- ━━ : B+ Line.
- ━ ━ : B– Line.
- ▭ : adjustment for repair.
- Voltages and waveforms are dc with respect to ground under no-signal (detuned) conditions.
- CD mechanism (1/2) and (2/2) sections
  no mark : CD PLAY
- Main (1/3), (2/3), (3/3) and Key sections
  no mark : FM
  (   ) : AM/MW/LW
  <   > : CD PLAY
  ∗ : Impossible to measure
- Voltages are taken with a VOM (Input impedance 10 MΩ). Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken with a oscilloscope. Voltage variations may be noted due to normal production tolerances.
- Circled numbers refer to waveforms.
- Signal path.
  ⇨ : CD PLAY
  ⇨ : FM
  ➡ : AM/MW/LW
  ⇨ : AUX

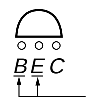
For printed wiring boards.

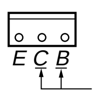
Note:

- ○—— : parts extracted from the component side.
- —— : parts extracted from the conductor side.
- ○ : Through hole.
- ▬ : Pattern from the side which enables seeing.
(The other layers' patterns are not indicated.)

Caution:	
Pattern face side: (Side B)	Parts on the pattern face side seen from the pattern face are indicated.
Parts face side: (Side A)	Parts on the parts face side seen from the parts face are indicated.



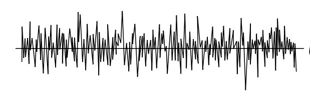




• WAVEFORMS

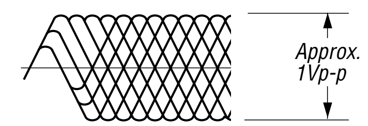
— SERVO BOARD — (CD PLAY)

① IC2 ⑤ (FEI)



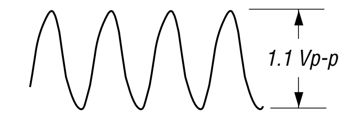
50 mV/DIV, 5 msec/DIV

④ IC2 ⑧① (RFI)



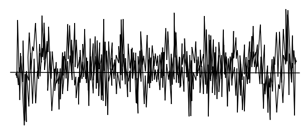
0.5 V/DIV, 0.5 μsec/DIV

⑦ IC3 ⑧① (X1)



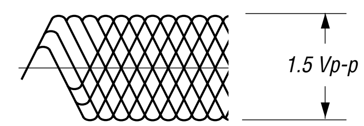
0.5 V/DIV, 0.2 μsec/DIV

② IC2 ⑥ (TEI)



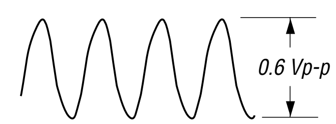
200 mV/DIV, 5 msec/DIV

⑤ IC2 ⑨④ (FNI2), ⑨⑤ (FNI1)



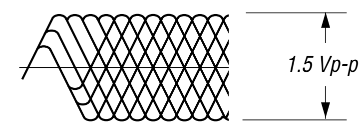
0.5 V/DIV, 0.5 μsec/DIV

③ IC2 ㉓ (XI)



0.2 V/DIV, 0.2 μsec/DIV

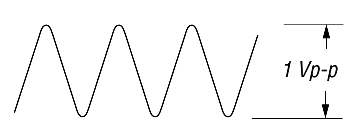
⑥ IC2 ⑨⑥ (FPI2), ⑨⑦ (FPI1)



0.5 V/DIV, 0.5 μsec/DIV

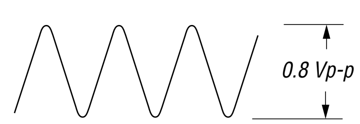
— MAIN BOARD —

① IC51 ⑨ (XTI)



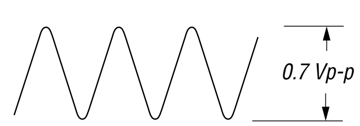
0.5 V/DIV, 0.1 μsec/DIV

③ IC501 ⑧② (OSC IN)



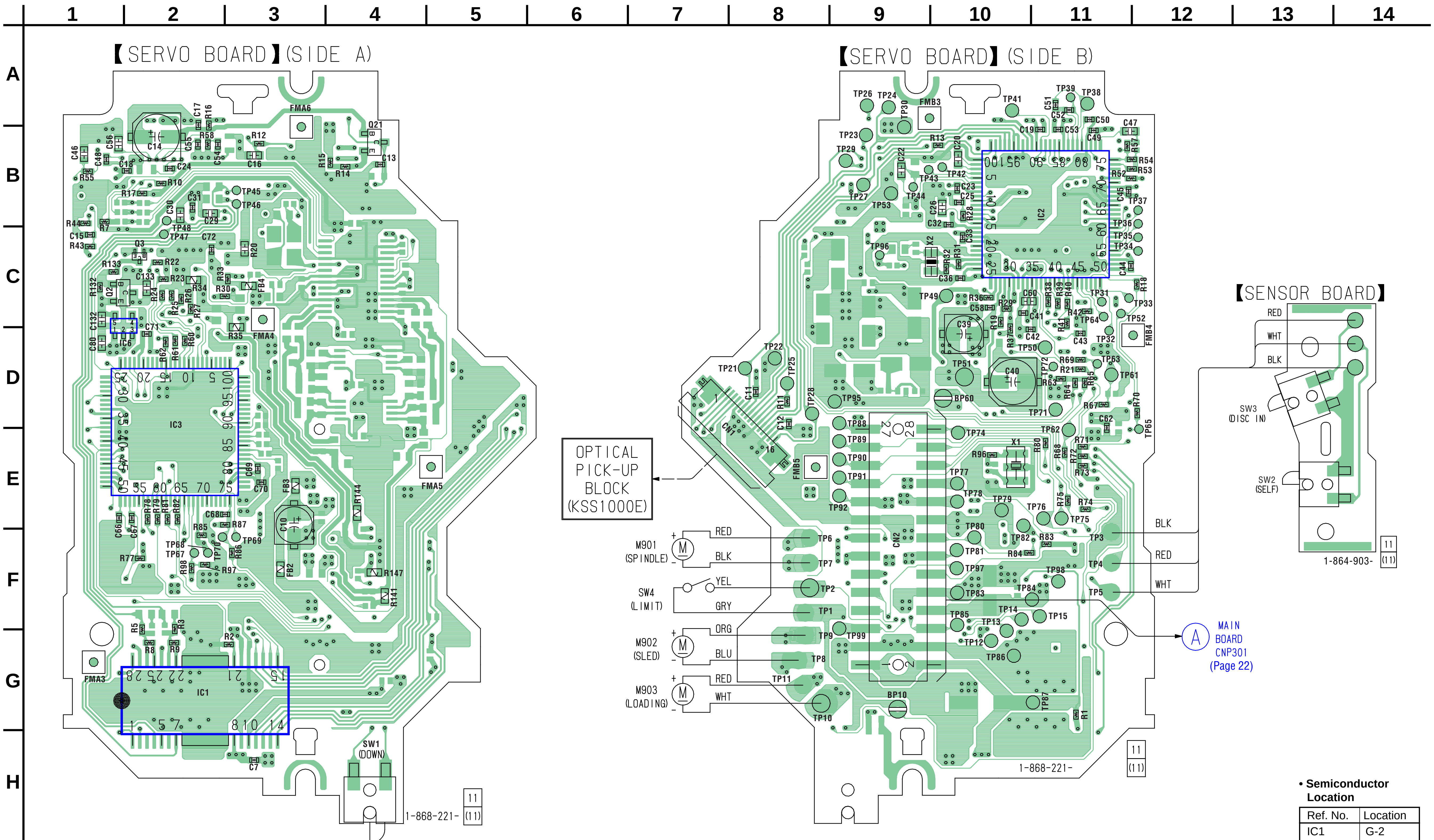
1 V/DIV, 0.1 μsec/DIV

② IC501 ⑧⓪ (XIN)



0.2 V/DIV, 0.1 μsec/DIV

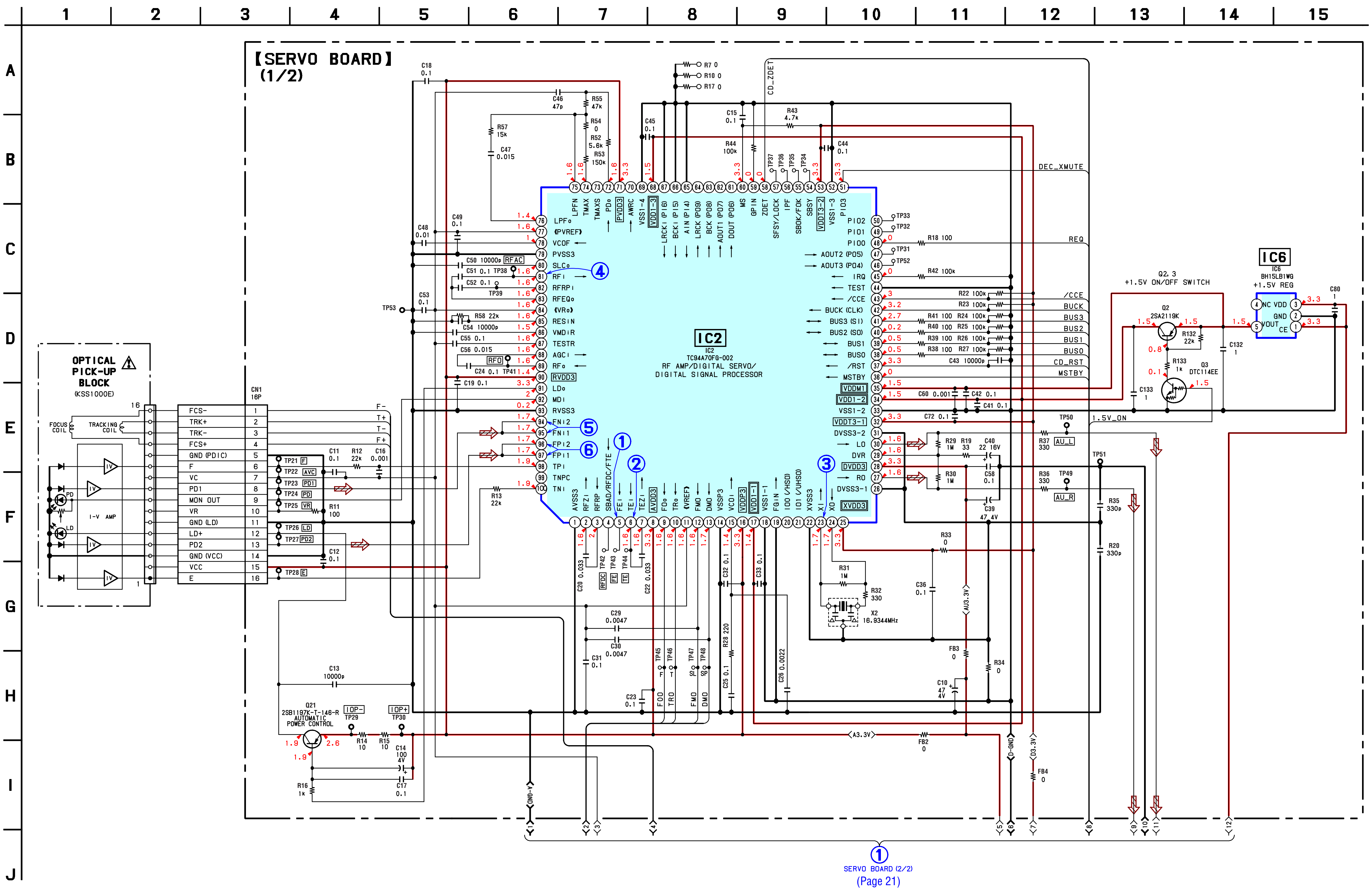
3-5. PRINTED WIRING BOARDS — CD MECHANISM SECTION — • Refer to page 17 for Circuit Boards Location. : Uses unleaded solder.



• **Semiconductor Location**

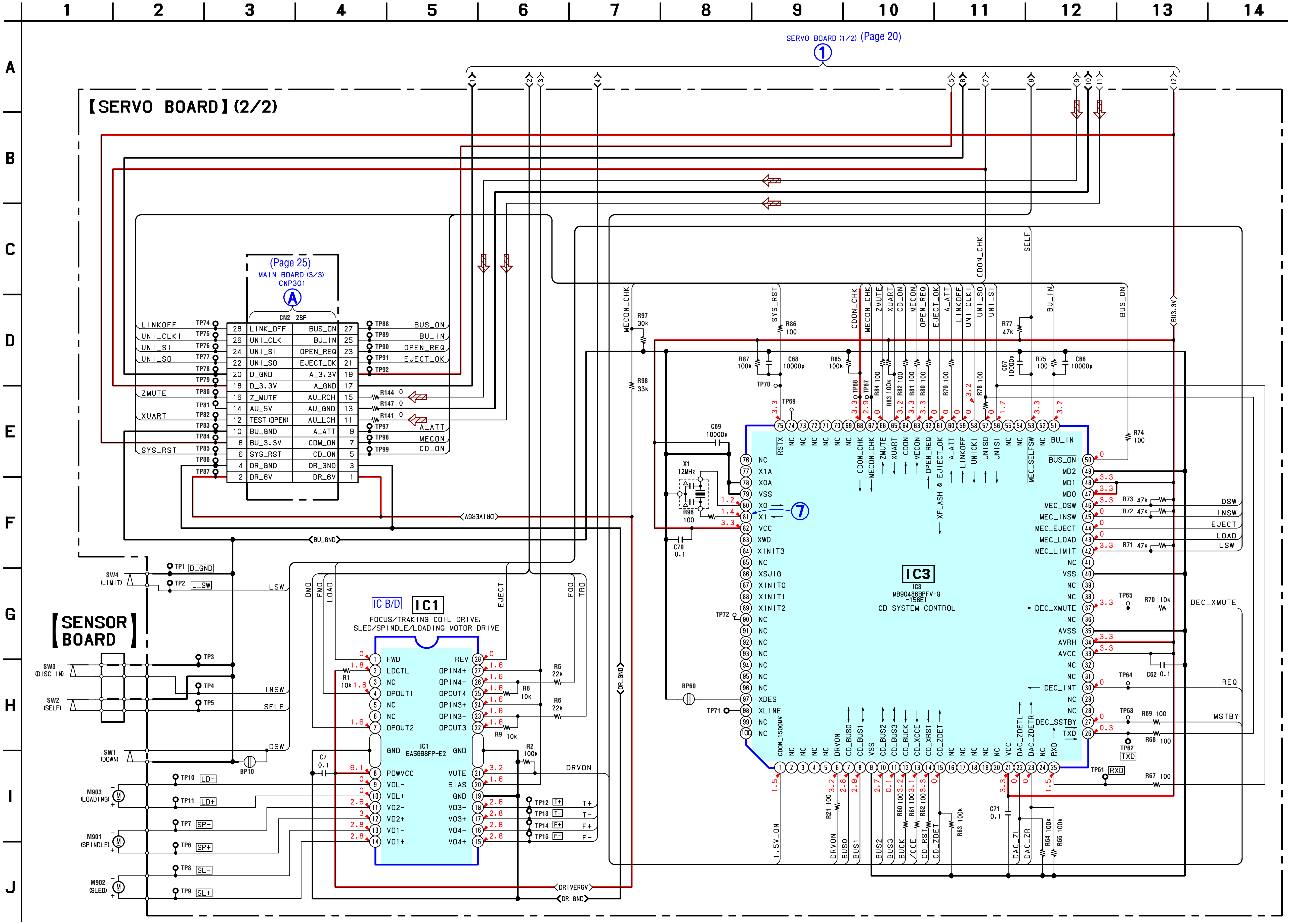
Ref. No.	Location
IC1	G-2
IC2	B-11
IC3	D-2
IC6	D-2
Q2	C-1
Q3	C-2
Q21	B-4

3-6. SCHEMATIC DIAGRAM — CD MECHANISM SECTION (1/2) — • Refer to page 18 for Waveforms.



- Refer to page 18 for Waveforms.
- Refer to page 28 for IC Block Diagrams.
- Refer to page 30 for IC Pin Descriptions.

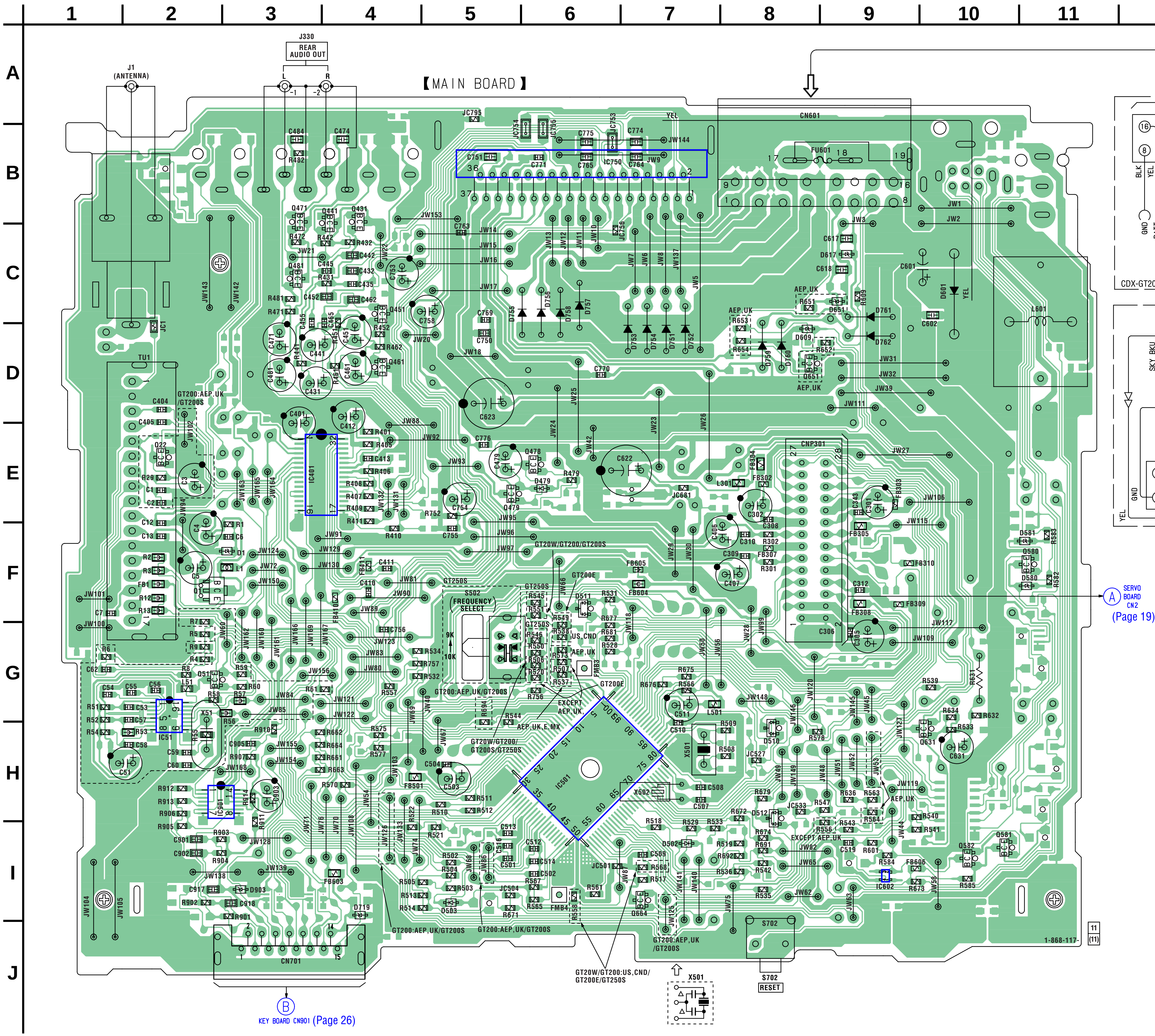
3-7. SCHEMATIC DIAGRAM — CD MECHANISM SECTION (2/2) —

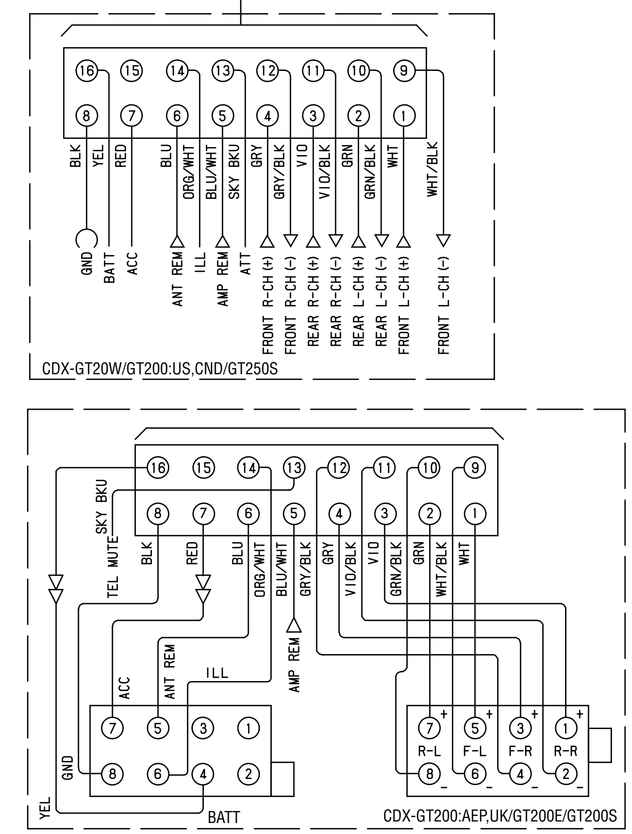


3-8. PRINTED WIRING BOARD — MAIN SECTION —

• Refer to page 17 for Circuit Boards Location.

: Uses unleaded solder.



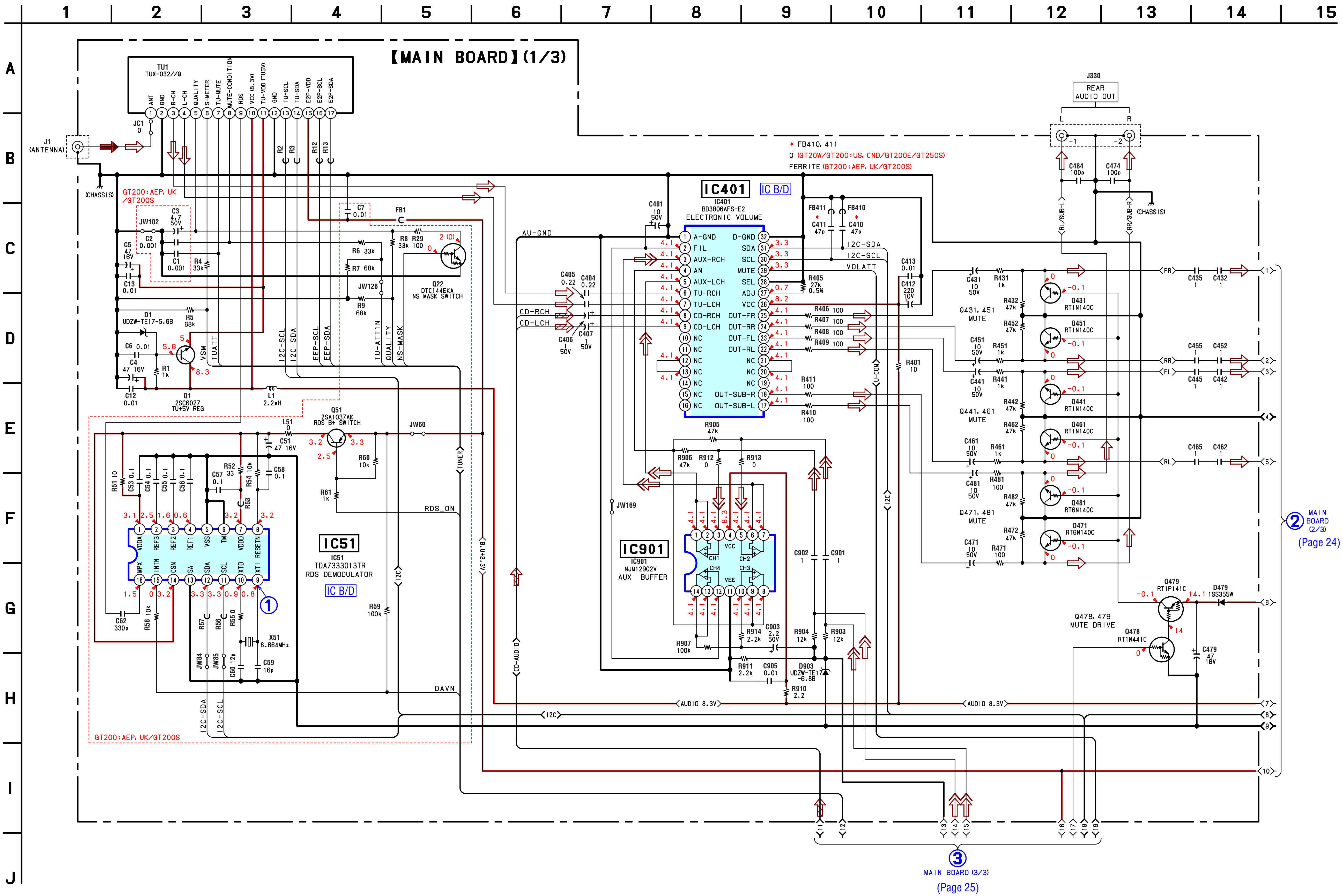


• Semiconductor Location

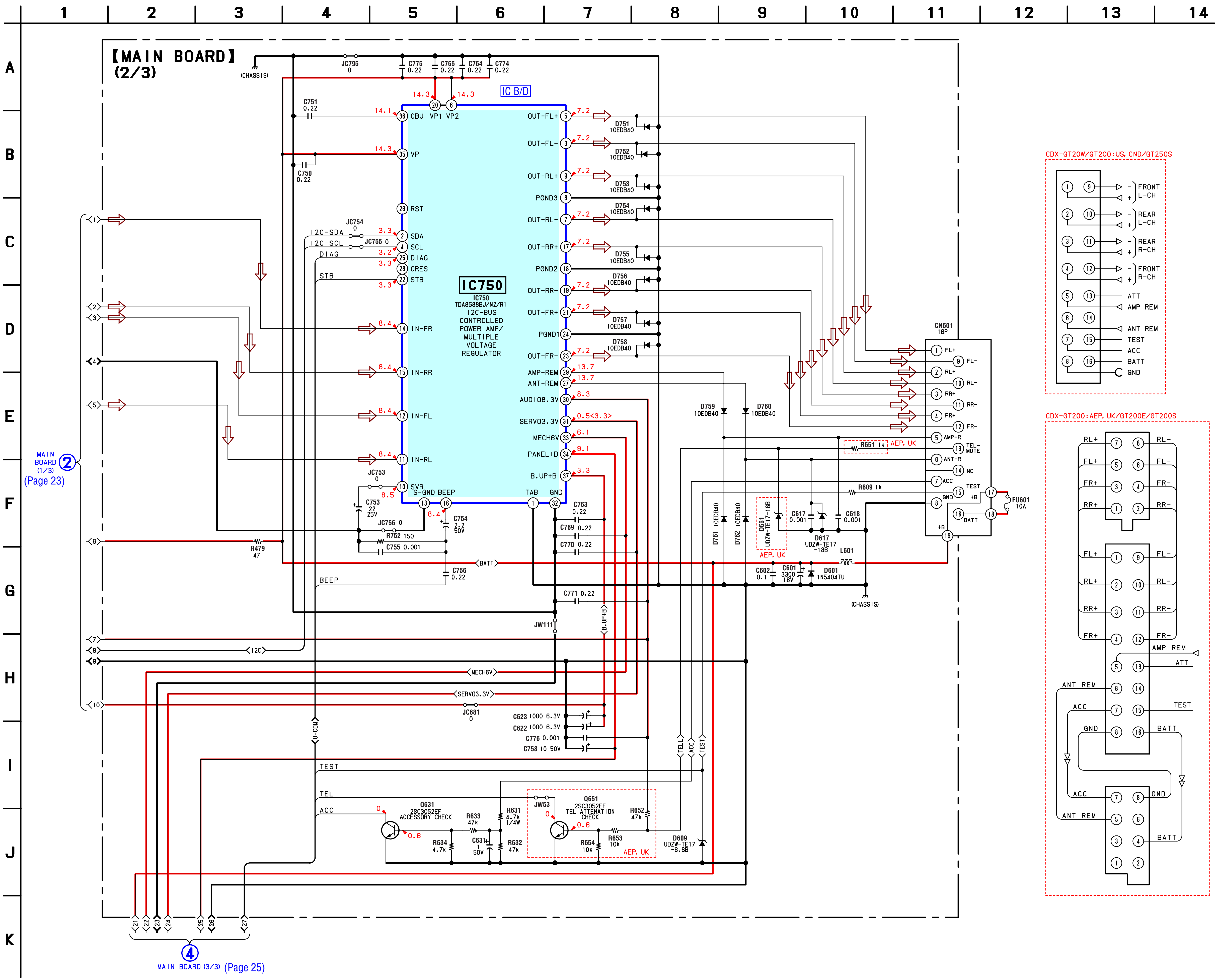
Ref. No.	Location	Ref. No.	Location
D1	F-3	D903	I-3
D479	E-6		
D502	I-7	IC51	H-2
D503	I-5	IC401	E-3
D510	H-8	IC501	H-6
D511	F-6	IC602	I-9
D512	H-8	IC750	B-6
D580	F-11	IC901	H-2
D581	F-11		
D601	C-10	Q1	F-2
D609	D-8	Q22	E-2
D617	C-9	Q51	G-2
D651	C-9	Q431	B-4
D719	I-4	Q441	B-4
D751	D-7	Q451	C-4
D752	D-7	Q461	D-4
D753	D-7	Q471	B-3
D754	D-7	Q478	E-6
D755	C-5	Q479	E-5
D756	C-6	Q481	C-3
D757	C-6	Q580	F-11
D758	C-6	Q581	I-10
D759	D-8	Q582	I-10
D760	D-8	Q631	H-10
D761	C-9	Q651	D-8
D762	D-9	Q664	I-7

3-9. SCHEMATIC DIAGRAM — MAIN SECTION (1/3) —

- Refer to page 18 for Waveforms.
- Refer to page 28 for IC Block Diagrams.

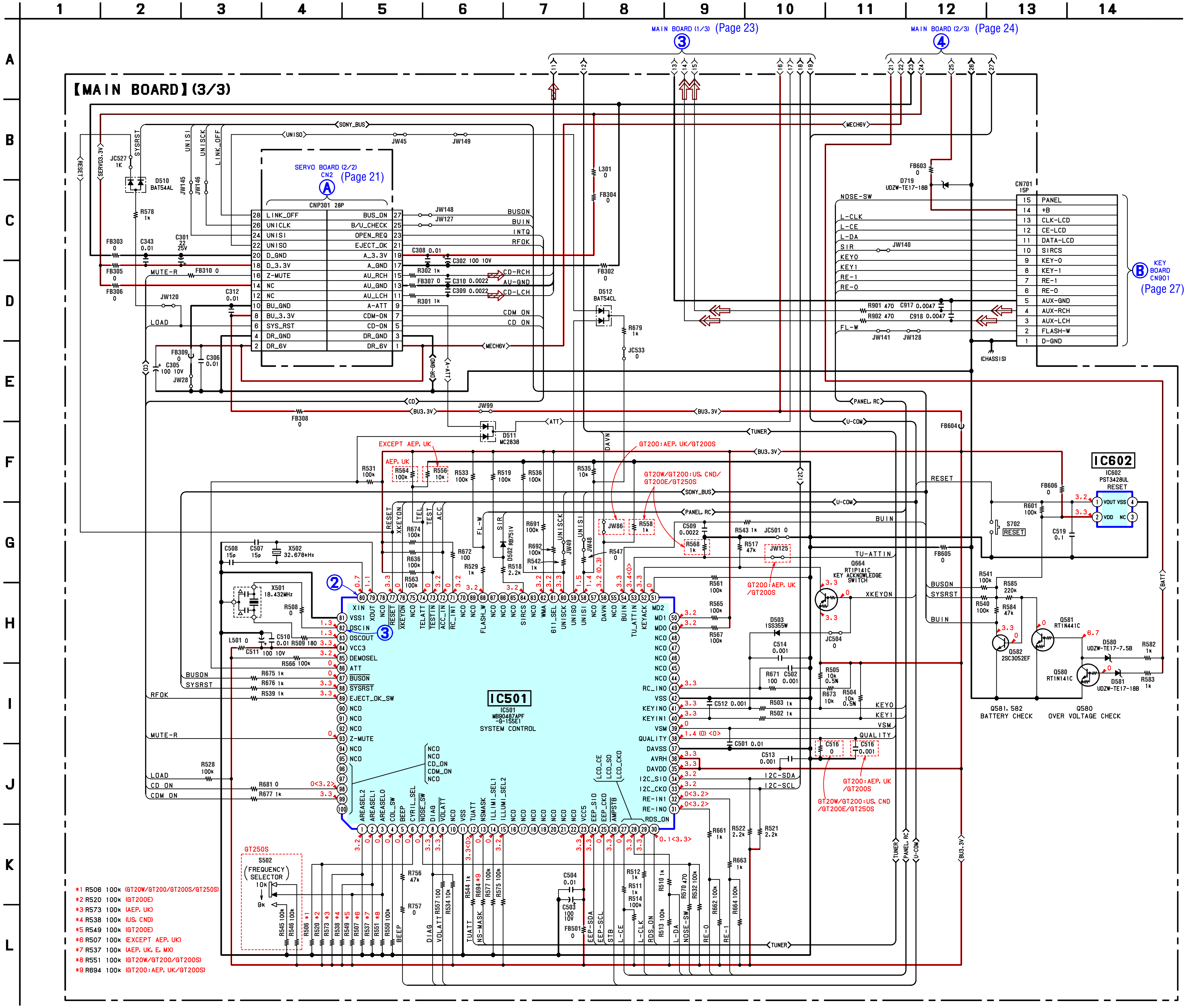


3-10. SCHEMATIC DIAGRAM — MAIN SECTION (2/3) — • Refer to page 29 for IC Block Diagrams.

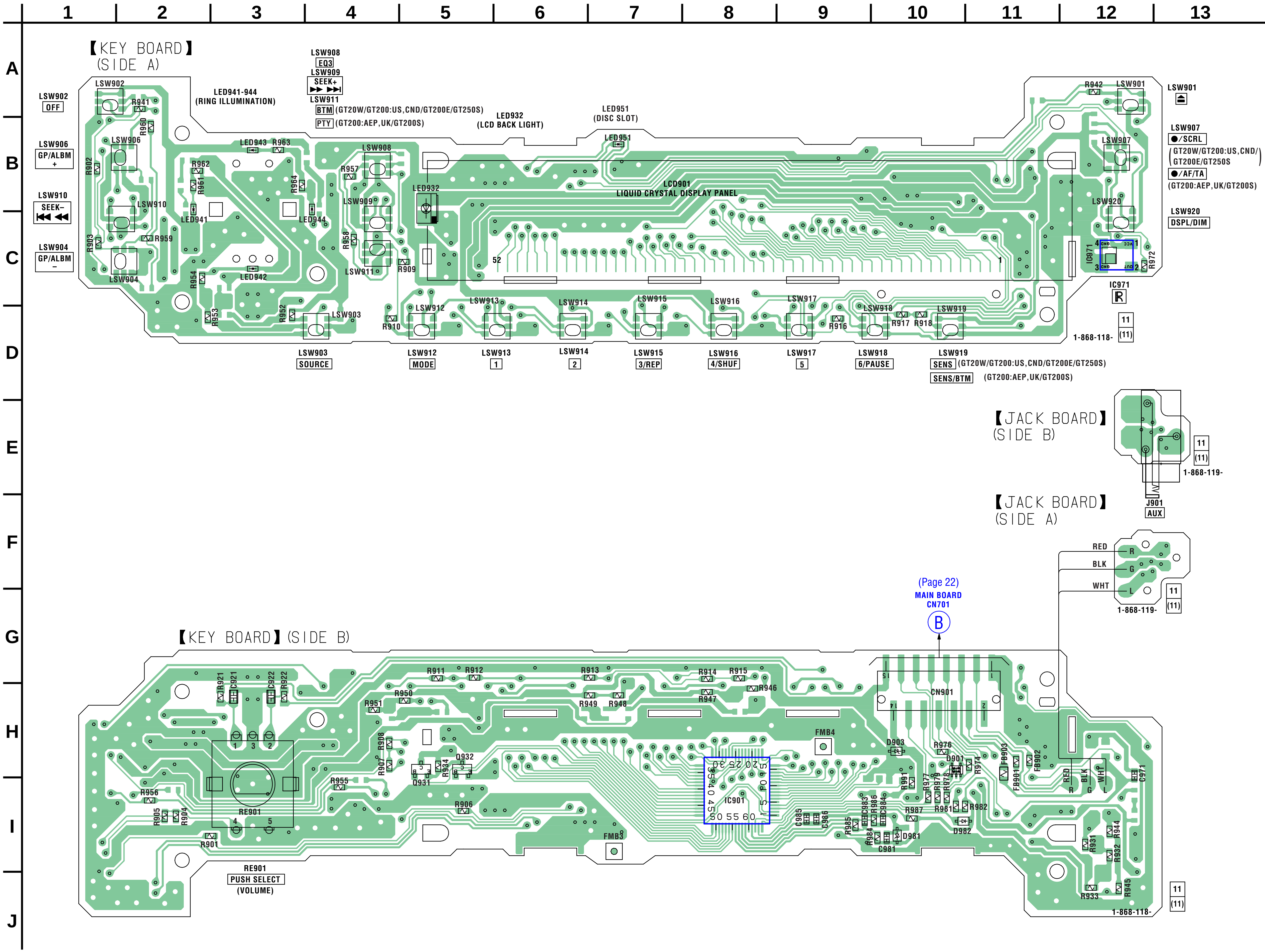


3-11. SCHEMATIC DIAGRAM — MAIN SECTION (3/3) —

• Refer to page 18 for Waveforms.
• Refer to page 32 for IC Pin Descriptions.



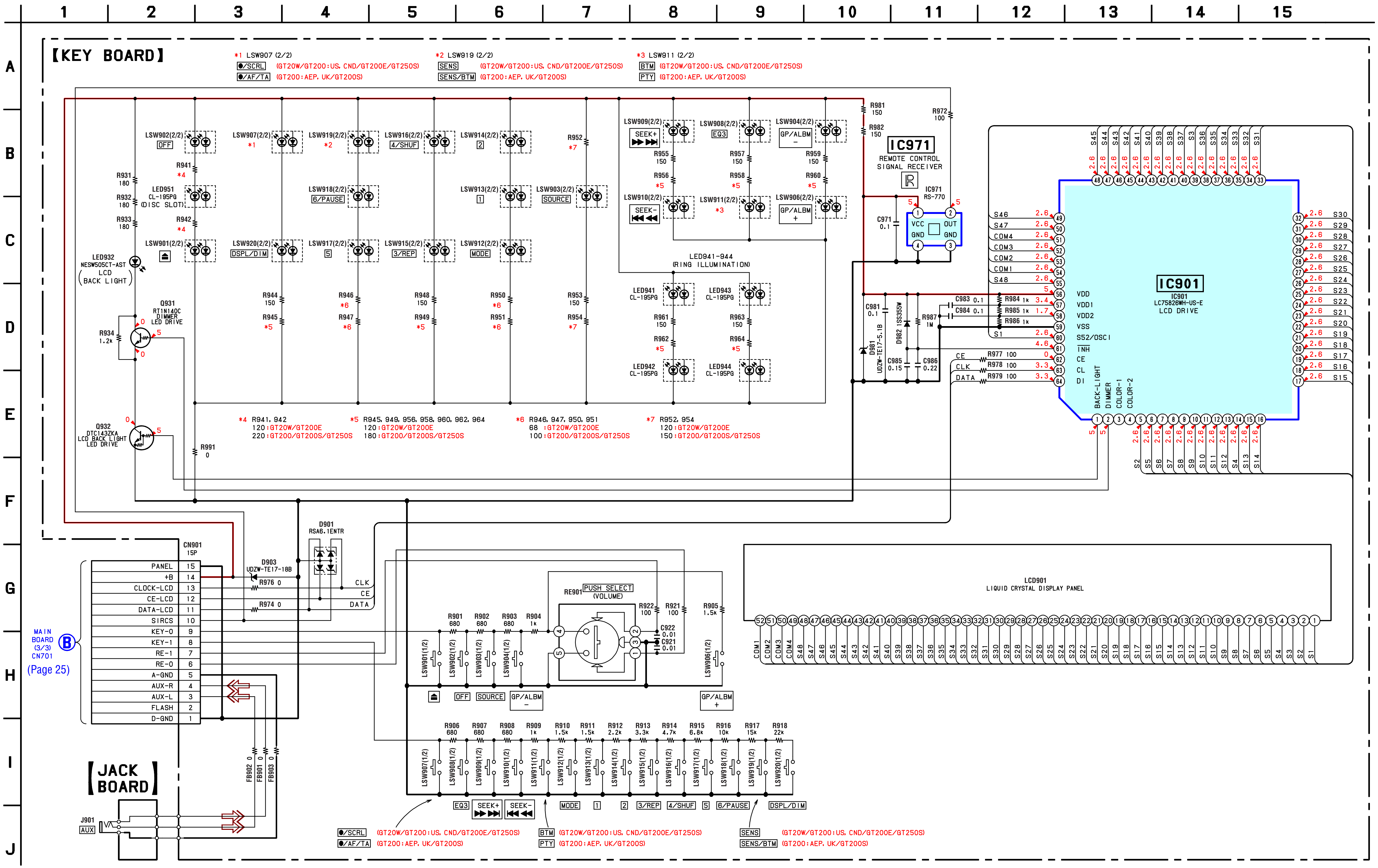
3-12. PRINTED WIRING BOARDS — KEY SECTION — • Refer to page 17 for Circuit Boards Location. : Uses unleaded solder.



• Semiconductor Location

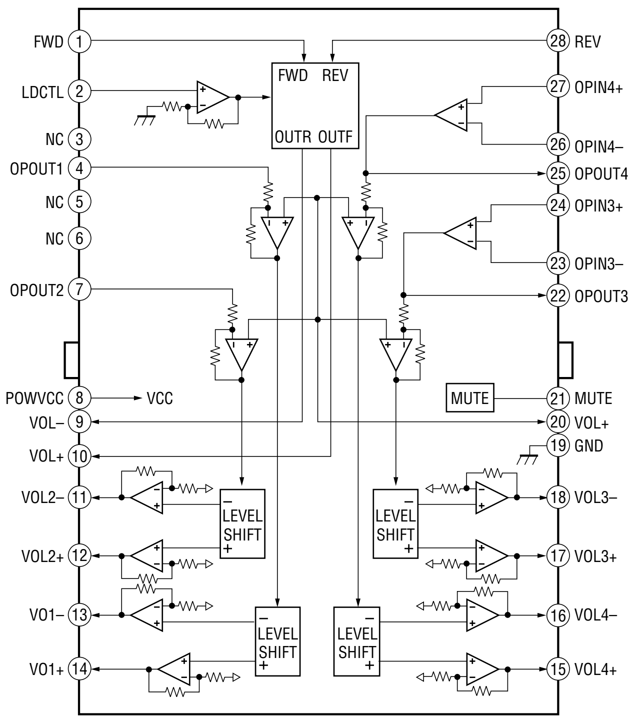
Ref. No.	Location
D901	H-10
D903	H-10
D981	I-10
D982	I-10
IC901	I-8
IC971	C-12
LED932	B-5
LED941	C-2
LED942	C-3
LED943	B-3
LED944	C-4
LED951	B-7
Q931	H-5
Q932	H-5

3-13. SCHEMATIC DIAGRAM — KEY SECTION —

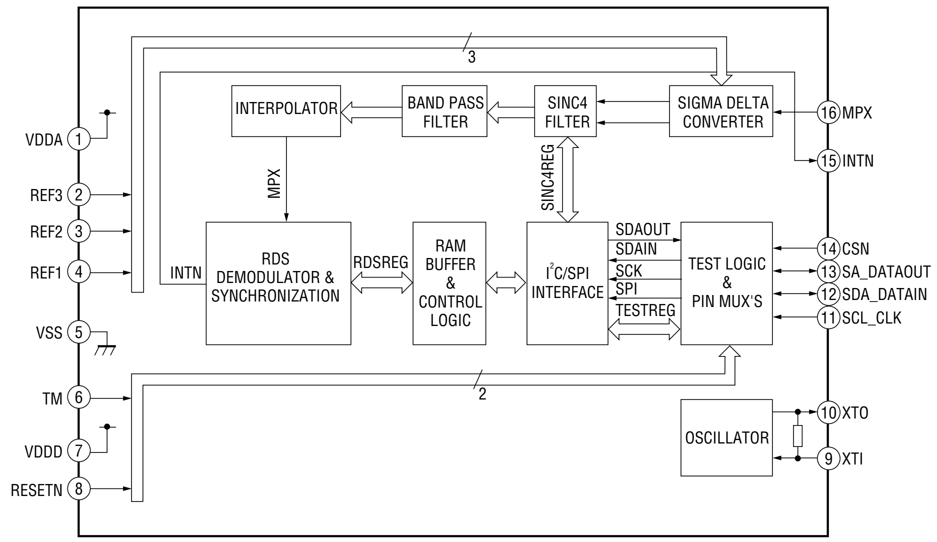


• **IC BLOCK DIAGRAMS**

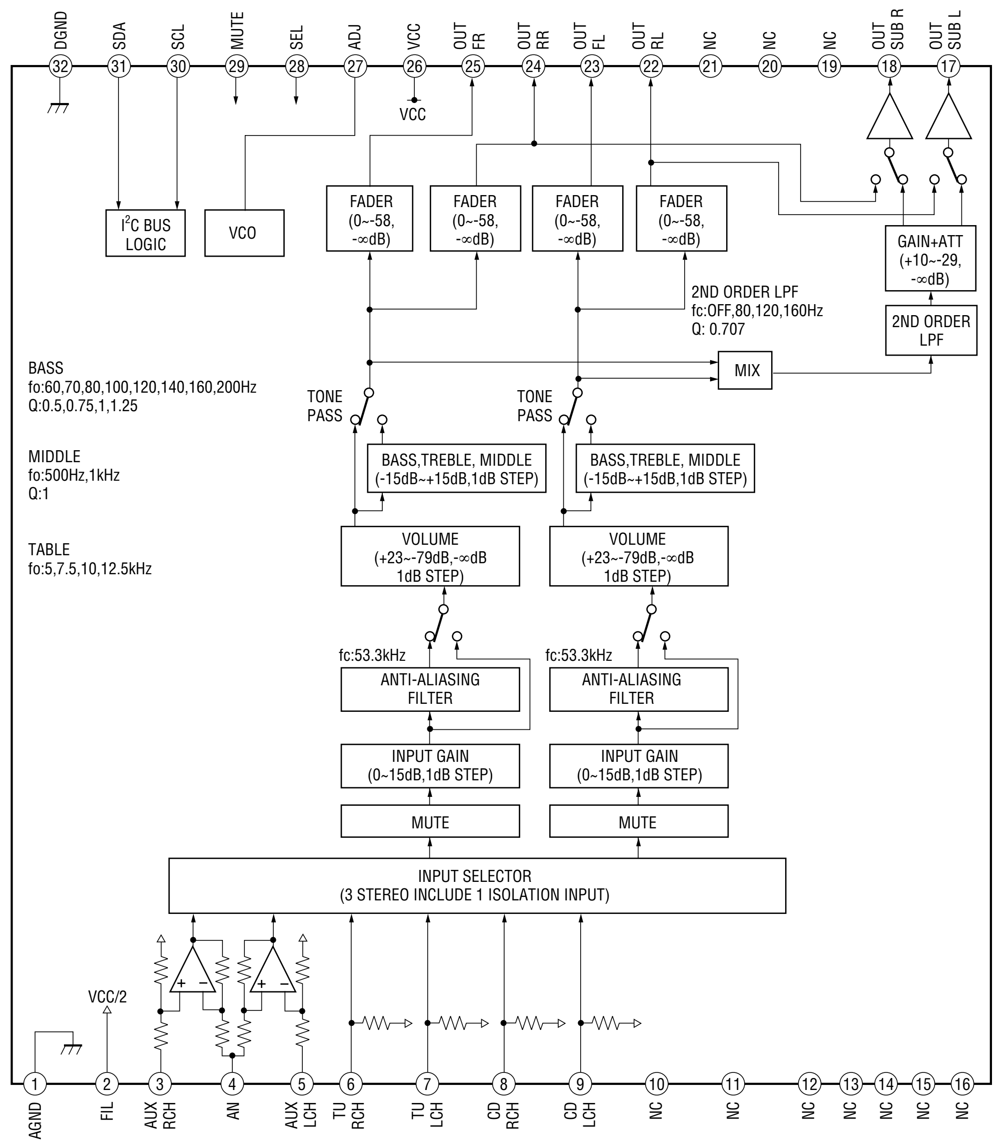
IC1 BA5968FP-E2 (SERVO Board (2/2))



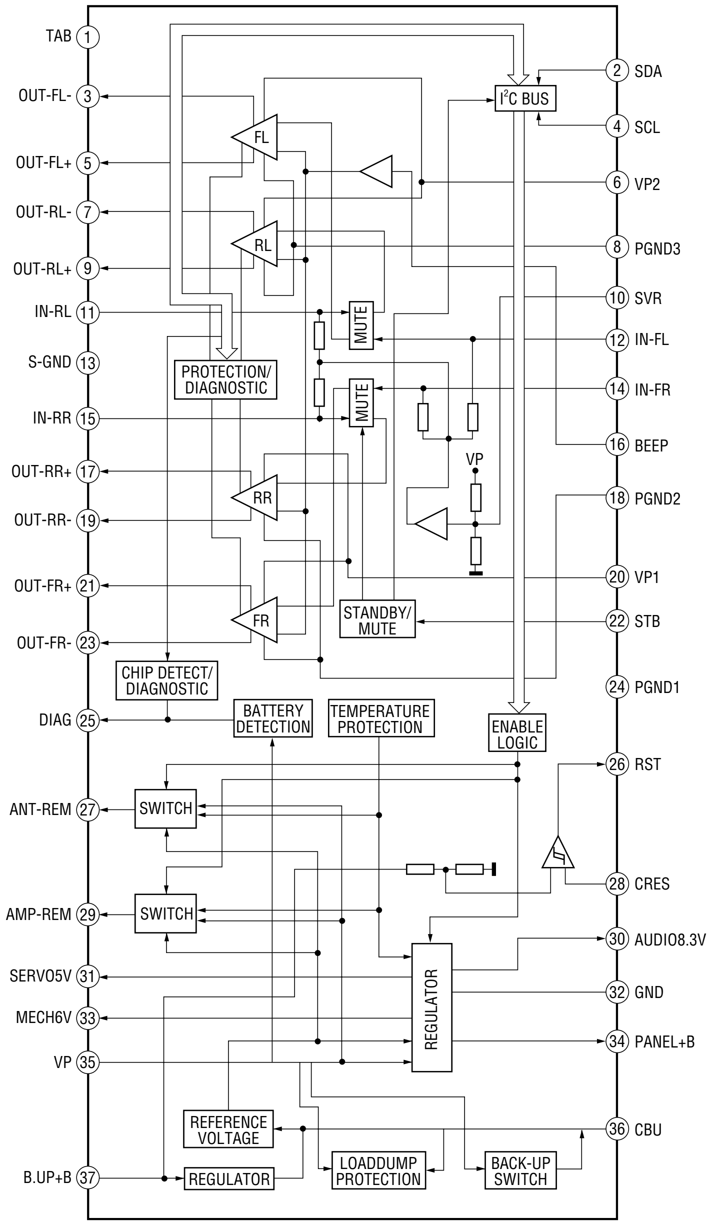
IC51 TDA7333013TR (MAIN Board (1/3))



IC401 BD3806AFS-E2 (MAIN Board (1/3))



IC750 TDA8588BJ/N2/R1 (MAIN Board (2/3))



• IC Pin Descriptions

IC3 MB90486BPFV-G-158E1 (CD SYSTEM CONTROL) (SERVO BOARD (2/2))

Pin No.	Pin Name	I/O	Pin Description
1	CDON 1500MV	O	Servo 1.5 V power supply control signal output
2 to 5	NC	—	Not used. (Open)
6	DRVON	O	Motor drive on/off control signal output
7	CD BUS0	I/O	Bus data signal input/output 0
8	CD BUS1	I/O	Bus data signal input/output 1
9	VSS	—	Ground pin
10	CD BUS2	I/O	Bus data signal input/output 2
11	CD BUS3	I/O	Bus data signal input/output 3
12	CD BUCK	O	Bus clock signal output
13	CD XCCE	O	Chip enable signal output
14	CD XRST	O	Reset signal output
15	CD ZDET	I	Zero detection signal input
16 to 20	NC	—	Not used. (Open)
21	VCC	—	Power supply pin (+3.3 V)
22	DAC ZDETL	I	Zero data detection signal input (L-ch)
23	DAC ZDETR	I	Zero data detection signal input (R-ch)
24	NC	—	Not used. (Open)
25	RXD	I	UART RXD data signal input (MCBUS/Flash data input)
26	TXD	O	UART TXD data signal output (MCBUS/Flash data output)
27	DEC SSTBY	O	SRAM STANDBY mode control signal output
28, 29	NC	—	Not used. (Open)
30	DEC INT	I	Request signal input
31, 32	NC	—	Not used. (Open)
33	AVCC	—	Power supply pin (+3.3 V) for A/D converter
34	AVRH	—	External reference voltage for A/D converter
35	AVSS	—	Ground pin
36	NC	—	Not used. (Open)
37	DEC XMUTE	O	Mute signal output L: mute
38, 39	NC	—	Not used. (Open)
40	VSS	—	Ground pin
41	NC	—	Not used. (Open)
42	MEC LIMIT	I	Sled limit in detection switch signal input
43	MEC LOAD	O	Loading motor signal output (Load direction)
44	MEC EJECT	O	Loading motor signal output (Eject direction)
45	MEC INSW	I	Pack-in detection signal input
46	MEC DSW	I	Chucking end detection switch signal input
47, 48	MD0, MD1	I	CPU operation mode designation signal input (Connect to Vcc.)
49	MD2	I	CPU operation mode designation signal input (Connect to Vss.)
50	BUS ON	I	Bus on signal input L: bus on
51	BU IN	I	Backup on/off signal input H: backup on, L: backup off
52	NC	—	Not used. (Open)
53	MEC SELFSW	I	Disc insert detection switch signal input L: disc in interruption
54, 55	NC	—	Not used. (Open)
56	UNISI	I	Serial data signal input
57	UNISO	O	Serial data signal output
58	UNICKI	I	Serial clock signal input
59	LINEOFF	O	Line off signal output
60	A ATT	O	Audio attenuation signal output H: ATT on
61	EJECT OK	I	Front panel open signal input H: eject
62	OPEN REQ	O	Front panel open/close request signal output H: open request
63	MECON	O	Mechanism deck power supply control signal output

Pin No.	Pin Name	I/O	Pin Description
64	CDON	O	Servo power supply control signal output H: power on
65	XUART	I	Sony-Bus/MC-Bus change signal input H: Sony-Bus, L: MC-Bus
66	ZMUTE	O	Zero detection mute signal output
67	MECON CHK	I	MECON rising detection signal input
68	CDON CHK	I	CDON rising detection signal input
69 to 74	NC	—	Not used. (Open)
75	$\overline{\text{RSTX}}$	I	System reset signal input
76	NC	—	Not used. (Open)
77	X1A	—	Sub-clock connect pin Not used in this set. (Open)
78	X0A	—	Sub-clock connect pin Not used in this set. (Connect to Vss.)
79	VSS	—	Ground pin
80	X0	I	Main-clock connect pin (12 MHz)
81	X1	O	Main-clock connect pin (12 MHz)
82	VCC	—	Power supply pin (+3.3 V)
83	XWD	I	Not used in this set. (Open)
84	XINIT3	I	Not used in this set. (Open)
85	NC	—	Not used. (Open)
86	XSJIG	I	Not used in this set. (Open)
87 to 89	XINIT0 to 2	I	Not used in this set. (Open)
90 to 96	NC	—	Not used. (Open)
97	XDES	I	Mode select pin
98	XLINE	I	Not used in this set. (Open)
99, 100	NC	—	Not used. (Open)

IC501 MB90487APF-G-155E1 (SYSTEM CONTROL) (MAIN BOARD (3/3))

Pin No.	Pin Name	I/O	Pin Description
1	AREASEL2	I	Destination setting pin
2	AREASEL1	I	Destination setting pin
3	AREASEL0	I	Destination setting pin
4	COL SW	I	Illumination color select signal input
5	BEEP	O	Beep signal output
6	CYRIL SEL	I	Cyril select signal input
7	$\overline{\text{NOSE SW}}$	I	Front panel open/close detect signal input
8	DIAG	I	Power AMP status signal input
9	$\overline{\text{VOL ATT}}$	O	Electronic volume attenuate control signal output
10	NCO	O	Not used. (Open)
11	VSS	—	Ground pin
12	TU ATT	O	Tuner mute control signal output
13	NS MASK	O	Noise mask signal output (GT200: AEP, UK model/GT200S only)
14	ILLUMI SEL1	I	Illumination voltage setting signal input 1
15	ILLUMI SEL2	I	Illumination voltage setting signal input 2
16 to 22	NCO	O	Not used. (Open)
23	VCC5	—	Power supply pin (+3.3 V)
24	EEP SIO	I/O	EEPROM bus serial data input/output
25	EEP CKO	O	EEPROM bus serial clock output
26	$\overline{\text{AMP STB}}$	O	Power AMP satandby signal output
27	LCD CE	O	LCD driver chip enable signal output
28	LCD SO	O	LCD driver serial data signal output
29	LCD SCK	O	LCD driver serial clock signal output
30	RDS ON	O	RDS ON signal output
31	RE IN0	I	Rotary encoder signal input 0
32	RE IN1	I	Rotary encoder signal input 1
33	I2C CKO	O	I2C bus serial clock signal output
34	I2C SIO	I/O	I2C bus serial data signal input/output
35	DAVDD	—	A/D converter power supply pin (+3.3 V)
36	AVRH	—	A/D converter external reference power supply pin (+3.3 V)
37	DAVSS	—	Ground pin
38	QUALITY	I	Noise detect signal input
39	VSM	I	S-meter voltage detect signal input
40	KEY IN1	I	Key signal input 1
41	KEY IN0	I	Key signal input 0
42	VSS	—	Ground pin
43	RC IN0	I	Rotary commander key signal input
44 to 48	NCO	O	Not used. (open)
49	MD0	I	Operation mode setting pin (Connect to VDD.)
50	MD1	I	Operation mode setting pin (Connect to VDD.)
51	MD2	I	Operation mode setting pin (Connect to VSS.)

Pin No.	Pin Name	I/O	Pin Description
52	KEY ACK	I	Key acknowledgment detect signal input
53	TU ATT IN	I	Tuner mute zero cross detect signal input
54	BU IN	I	Back-up power supply detect signal input
55	NCO	O	Not used. (Open)
56	DAVN	I	RDS data block synchronized detect signal input
57	NCO	O	Not used. (Open)
58	UNISI	I	SONY bus data signal input
59	UNI SO	O	SONY bus data signal output
60	UNI SCK	O	SONY bus clock signal output
61	611 SEL	I	Mechanism deck select signal input
62	WMA	I	WMA select signal input
63	NCO	O	Not used. (Open)
64	SIRCS	I	Remote control signal input
65 to 67	NCO	O	Not used. (Open)
68	FLASH W	I	Memory mode select signal input
69, 70	NCO	O	Not used. (Open)
71	$\overline{\text{RC IN1}}$	I	Rotary commander shift key signal input
72	$\overline{\text{ACC IN}}$	I	Accessory power supply detect signal input
73	$\overline{\text{TEST IN}}$	I	Test mode detect signal input
74	TEL ATT	I	Telephone attenuate detect signal input
75	NCO	O	Not used. (Open)
76	$\overline{\text{XKEY ON}}$	O	A/D converter power supply control signal output
77	$\overline{\text{RESET}}$	I	CPU reset signal input
78	NCO	O	Not used. (Open)
79	XOUT	O	Sub-clock output (32.768 kHz)
80	XIN	I	Sub-clock input (32.768 kHz)
81	VSS1	—	Ground pin
82	OSC IN	I	Main-clock input (3.68 MHz)
83	OSC OUT	O	Main-clock output (3.68 MHz)
84	VCC3	—	Power supply pin (+3.3 V)
85	DEMOSEL	I	DEMO select signal input
86	ATT	O	Audio mute control signal output
87	$\overline{\text{BUS ON}}$	O	Bus on signal output
88	$\overline{\text{SYS RST}}$	O	System reset signal output
89	EJECT OK SW	O	Eject OK signal output
90 to 92	NCO	O	Not used. (Open)
93	Z-MUTE	I	CD zero cross mute detect signal input
94 to 97	NCO	O	Not used. (Open)
98	CD ON	I	CD mechanism power control request signal input
99	CDM ON	I	CD mechanism deck power control request signal input
100	NCO	O	Not used. (Open)

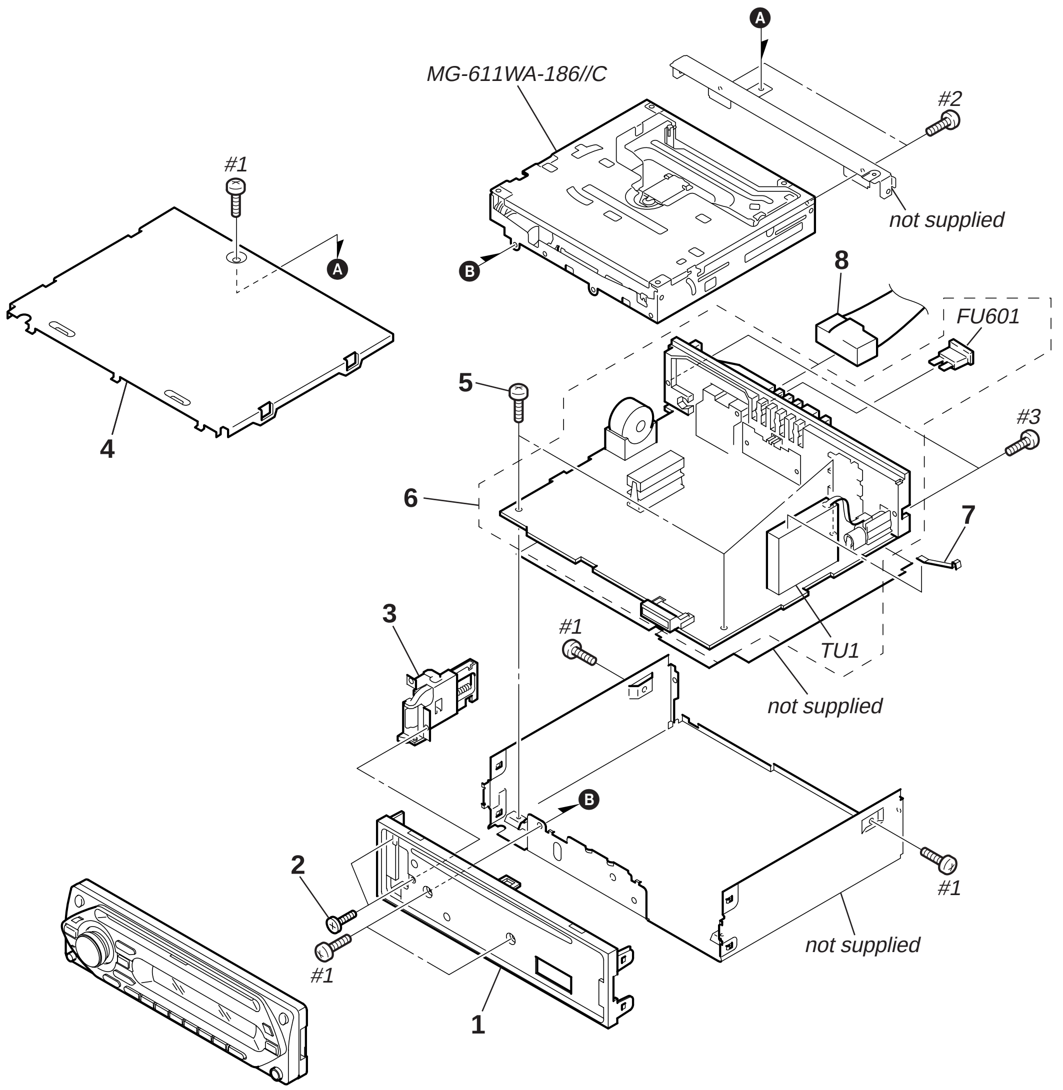
SECTION 4
EXPLODED VIEWS

NOTE:
- The mechanical parts with no reference number in the exploded views are not supplied.
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- -XX and -X mean standardized parts, so they may have some difference from the original one.
- Color Indication of Appearance Parts
  Example :
  KNOB, BALANCE (WHITE) ... (RED)
  ↑ Parts Color ↑ Cabinet's Color
- Accessories are given in the last of this parts list.

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

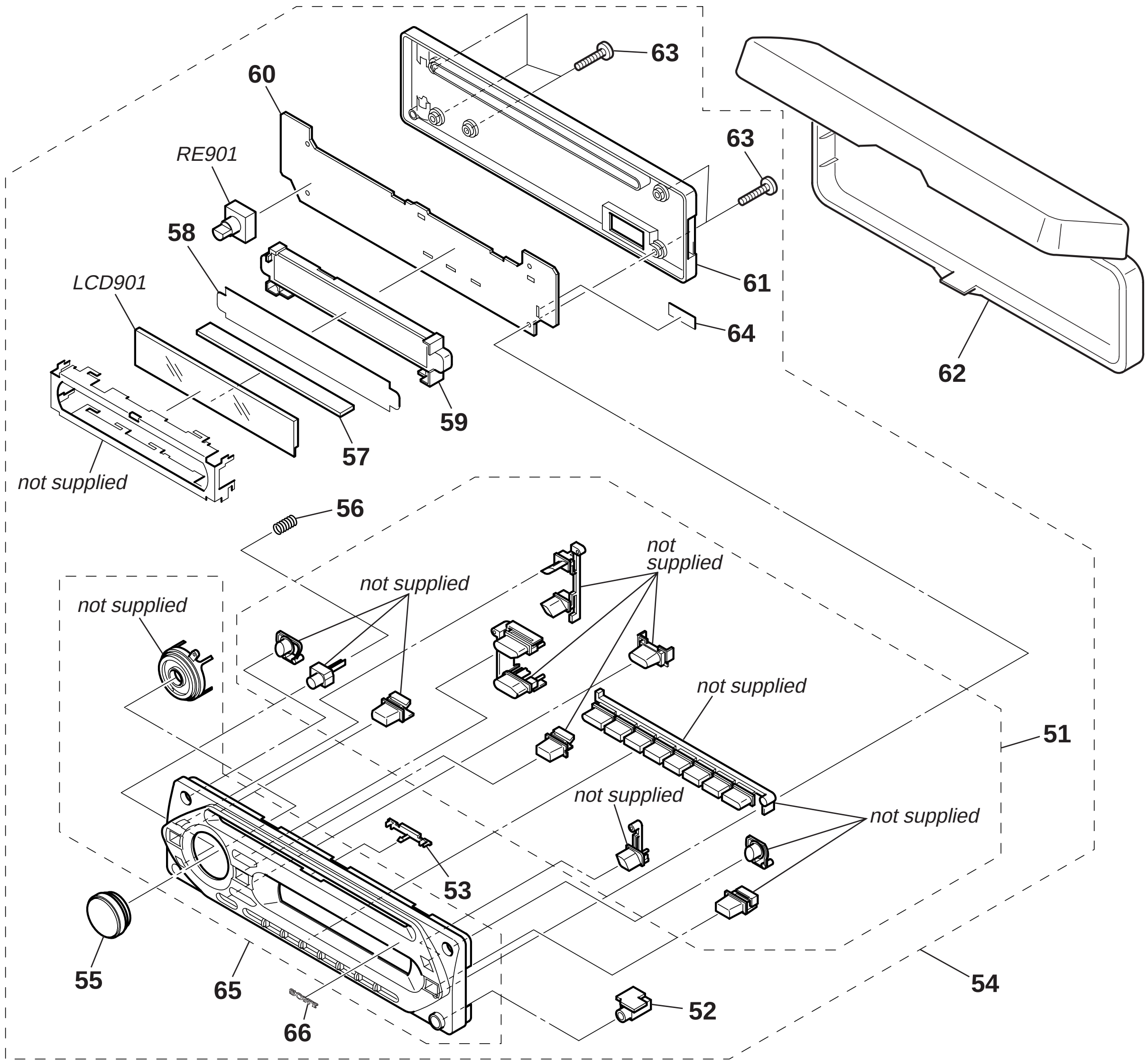
Les composants identifiés par une marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une piéce portant le numéro spécifié.

4-1. MAIN SECTION



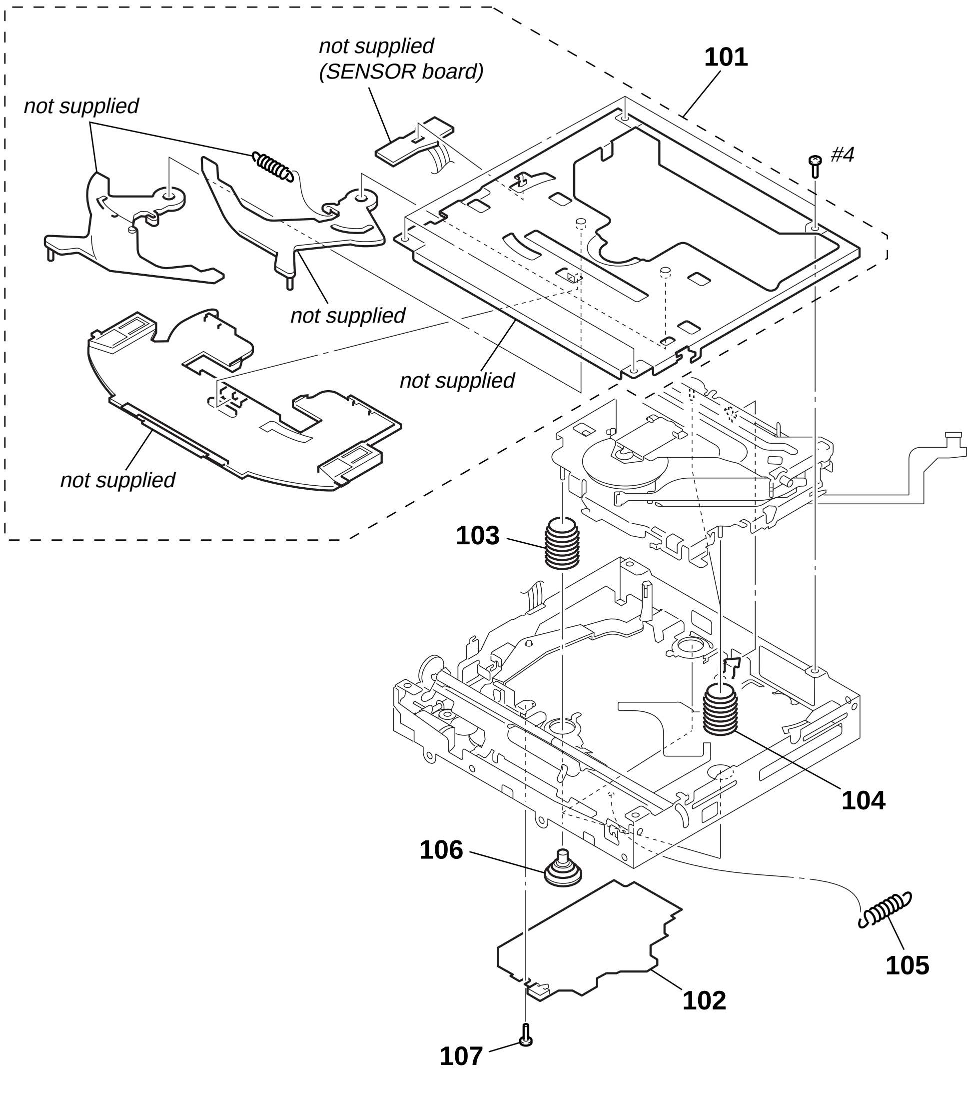
Ref. No.	Part No.	Description	Remark
1	X-2067-566-1	PANEL ASSY, SUB	
2	2-583-939-01	SCREW (+B 2X4)	
3	X-2055-203-2	LOCK ASSY (S)	
4	3-246-006-31	COVER	
5	2-583-940-01	SCREW +BTT 2.6X5	
6	A-1134-479-A	MAIN BOARD, COMPLETE (US,CND)	
6	A-1134-494-A	MAIN BOARD, COMPLETE (GT250S)	
6	A-1134-507-A	MAIN BOARD, COMPLETE (GT200:AEP,UK/GT200S)	
6	A-1134-514-A	MAIN BOARD, COMPLETE (GT200E)	
7	2-345-298-01	PLATE (TU), GROUND	
8	1-776-206-21	CORD (WITH CONNECTOR) (POWER) (EXCEPT AEP,UK)	
8	1-776-527-61	CORD (WITH CONNECTOR) (ISO) (POWER) (AEP,UK)	
FU601	1-532-877-11	FUSE (BLADE TYPE) (AUTO FUSE) 10A	
TU1	A-3220-961-A	TUNER UNIT (TUX-032)	
#1	7-685-792-09	SCREW +PTT 2.6X6 (S)	
#2	7-685-790-01	SCREW +PTT 2.6X4 (S)	
#3	7-685-793-09	SCREW +PTT 2.6X8 (S)	

4-2. FRONT PANEL SECTION



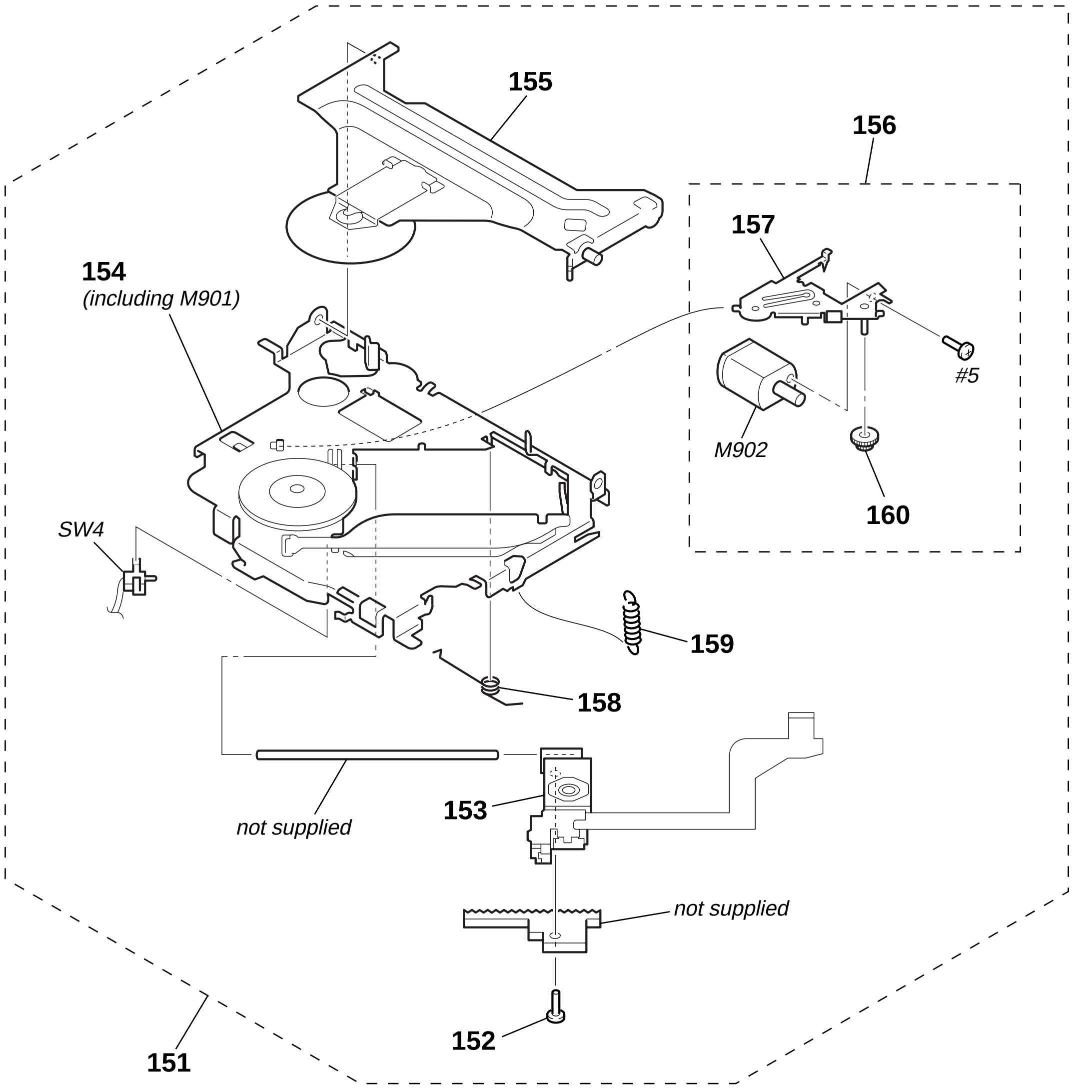
Ref. No.	Part No.	Description	Remark
51	X-2067-610-1	BUTTON ASSY (S) (GT20W/GT200:US,CND/GT200E)	
51	X-2067-611-1	BUTTON ASSY (S) (GT200:AEP,UK)	
51	X-2067-612-1	BUTTON ASSY (S) (GT250S)	
51	X-2102-533-1	BUTTON ASSY (S) (GT200S)	
52	A-1134-211-A	JACK BOARD, COMPLETE	
53	2-631-526-01	PLATE (CD), LIGHT GUIDE	
54	A-1134-482-A	PANEL ASSY, FRONT (GT200:US,CND)	
54	A-1134-488-A	PANEL ASSY, FRONT (GT20W)	
54	A-1134-503-A	PANEL ASSY, FRONT (GT250S)	
54	A-1134-510-A	PANEL ASSY, FRONT (GT200:AEP,UK)	
54	A-1134-516-A	PANEL ASSY, FRONT (GT200S)	
54	A-1134-517-A	PANEL ASSY, FRONT (GT200E)	
55	X-2102-730-1	KNOB (VOL) (SV) ASSY	
56	2-349-626-01	SPRING (RELEASE)	
57	1-780-199-11	CONDUCTIVE BOARD, CONNECTION	
58	2-634-438-01	ILLUMINATOR (LCD)	
59	X-2067-569-1	HOLDER (LCD) ASSY	
60	A-1134-484-A	KEY BOARD, COMPLETE (GT200:US,CND)	
60	A-1134-490-A	KEY BOARD, COMPLETE (GT20W)	
60	A-1134-499-A	KEY BOARD, COMPLETE (GT200:AEP,UK/GT200S/GT250S)	
60	A-1134-519-A	KEY BOARD, COMPLETE (GT200E)	
61	2-631-511-02	PANEL, FRONT BACK	
62	X-2024-133-3	CASE ASSY (for FRONT PANEL) (EXCEPT US)	
63	3-250-543-91	SCREW (+B P-TITE M2)	
64	3-040-315-01	COVER (AC OUT)	
65	X-2067-573-1	PANEL SUB ASSY, FRONT (GT200:US,CND)	
65	X-2067-574-1	PANEL SUB ASSY, FRONT (GT20W)	
65	X-2067-575-1	PANEL SUB ASSY, FRONT (GT200S)	
65	X-2067-576-1	PANEL SUB ASSY, FRONT (GT250S)	
65	X-2067-577-1	PANEL SUB ASSY, FRONT (GT200:AEP,UK)	
65	X-2067-578-1	PANEL SUB ASSY, FRONT (GT200E)	
66	3-251-320-01	EMBLEM (NO. 2.5), SONY	
LCD901	1-805-919-11	DISPLAY PANEL, LIQUID CRYSTAL (AEP,UK,E,MX)	
LCD901	1-805-920-11	DISPLAY PANEL, LIQUID CRYSTAL (US,CND)	
RE901	1-478-474-12	ENCODER, ROTARY (PUSH SELECT/VOLUME)	

4-3. CD MECHANISM SECTION (1)
(MG-611WA-186//C)



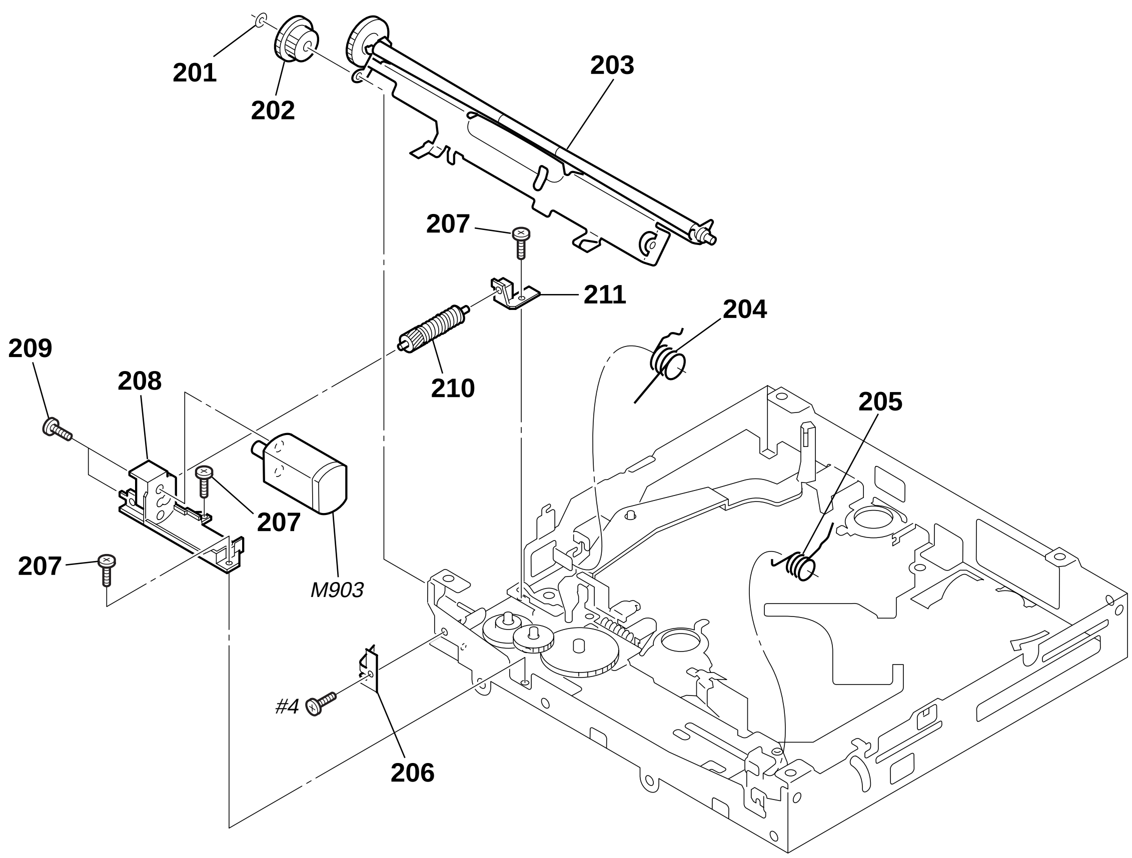
Ref. No.	Part No.	Description	Remark
101	A-1088-624-A	CHASSIS (T) SUB ASSY	
102	A-1132-415-A	SERVO BOARD, COMPLETE	
103	2-345-865-11	SPRING (DAMPER), COMPRESSION (BLACK)	
104	2-345-865-01	SPRING (DAMPER), COMPRESSION (NATURAL)	
105	2-345-767-21	SPRING (KF60), TENSION	
106	3-253-748-11	DAMPER (S)	
107	3-352-758-31	SCREW (M1.7X2.5), TOOTHED LOCK	
#4	7-627-552-87	SCREW, PRECISION +P 1.7X2.2	

4-4. CD MECHANISM SECTION (2)
(MG-611WA-186//C)



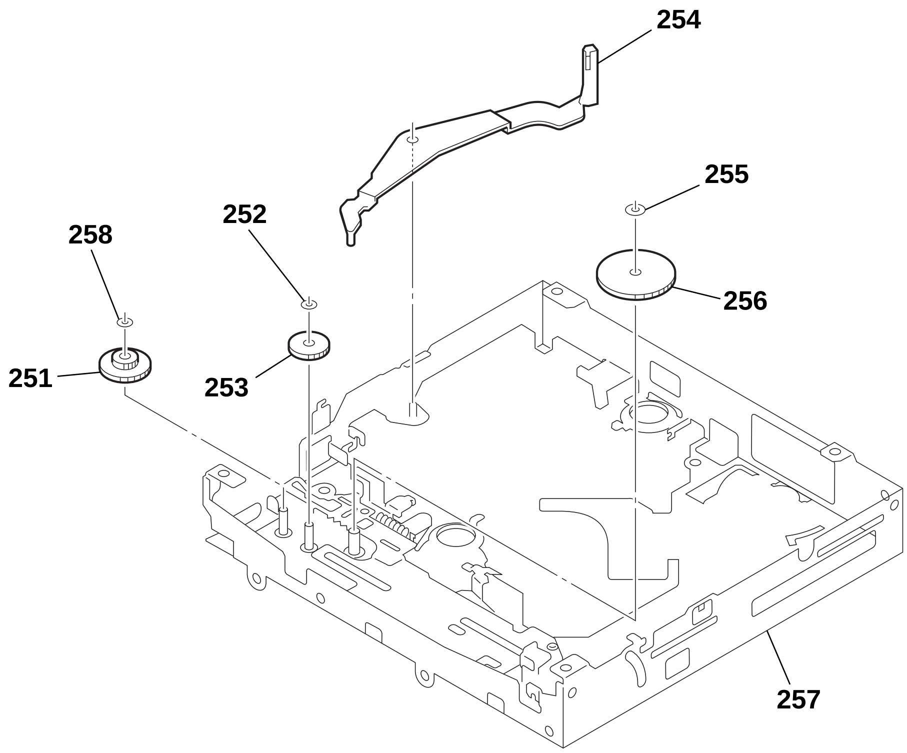
Ref. No.	Part No.	Description	Remark
151	A-1088-612-A	CHASSIS (OP) COMPLETE ASSY	
152	3-316-938-91	SCREW (B1.4X5), TAPPING	
⚠153	8-820-207-12	OPTICAL PICK-UP (KSS1000E/K1RP)	
154	A-1088-615-A	CHASSIS (OP) SUB ASSY (including M901)	
155	A-1088-616-A	ARM SUB ASSY, CHUCKING	
156	A-1088-613-A	LEVER (SL) SUB ASSY	
157	X-2024-784-3	LEVER (SL) ASSY	
158	3-261-959-21	SPRING (SL), TORSION	
159	3-253-736-21	SPRING (CHKG), TENSION	
160	3-253-742-21	WHEEL (SL), WORM	
M902	A-1088-614-A	MOTOR ASSY, SL (SLED)	
SW4	1-786-339-11	SWITCH (M) (LIMIT)	
#5	7-627-850-77	SCREW, PRECISION +P 1.4X1.8	

4-5. CD MECHANISM SECTION (3)
(MG-611WA-186//C)



Ref. No.	Part No.	Description	Remark
201	3-262-755-11	WASHER (1.1-2.5)	
202	2-186-699-21	GEAR (RA1)	
203	A-1088-618-A	ARM ASSY, ROLLER	
204	3-259-455-21	SPRING (RAL)	
205	3-253-713-21	SPRING (RAR)	
206	3-259-469-21	SPRING (LE), LEAF	
207	2-134-636-51	SCREW (M1.7X2.5)	
208	2-186-696-21	BRACKET (LEM-N)	
209	3-345-648-91	SCREW (M1.4), TOOTHED LOCK	
210	A-1088-623-A	GEAR (LE) ASSY	
211	2-186-697-21	BEARING (LEB-N)	
M903	A-1088-622-A	MOTOR ASSY, LE (LOADING)	
#4	7-627-552-87	SCREW, PRECISION +P 1.7X2.2	

4-6. CD MECHANISM SECTION (4)
(MG-611WA-186//C)



Ref. No.	Part No.	Description	Remark
251	2-186-700-21	GEAR (CHK1)	
252	3-344-223-01	WASHER	
253	3-259-470-23	GEAR (LE1)	
254	3-253-755-21	LEVER (D)	
255	3-899-829-01	WASHER (SLIT)	
256	2-590-545-21	GEAR (LE2-M)	
257	A-1088-620-A	CHASSIS (M) BLOCK ASSY	
258	3-262-755-11	WASHER (1.1-2.5)	

JACK KEY

SECTION 5
ELECTRICAL PARTS LIST

NOTE:
- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- -XX and -X mean standardized parts, so they may have some difference from the original one.
- RESISTORS
  All resistors are in ohms.
  METAL:Metal-film resistor.
  METAL OXIDE: Metal oxide-film resistor.
  F:nonflammable
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- SEMICONDUCTORS
  In each case, u : μ, for example:
  uA.. : μA.. uPA..: μPA..
  uPB.. : μPB.. uPC..: μPC.. uPD.. : μPD..
- CAPACITORS
  uF : μF
- COILS
  uH : μH

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Les composants identifiés par une marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une piéce portant le numéro spécifié.

When indicating parts by reference number, please include the board.

Ref. No.	Part No.	Description	Remark
	A-1134-211-A	JACK BOARD, COMPLETE	
		*********************	
		< JACK >	
J901	1-819-732-11	JACK (SMALL TYPE) (DIA. 3.5) (AUX)	
******			
	A-1134-484-A	KEY BOARD, COMPLETE (GT200:US,CND)	
	A-1134-490-A	KEY BOARD, COMPLETE (GT20W)	
	A-1134-499-A	KEY BOARD, COMPLETE (GT200:AEP,UK/GT200S/GT250S)	
	A-1134-519-A	KEY BOARD, COMPLETE (GT200E)	
		********************	
		< CAPACITOR >	
C921	1-163-031-11	CERAMIC CHIP 0.01uF	50V
C922	1-163-031-11	CERAMIC CHIP 0.01uF	50V
C971	1-107-826-11	CERAMIC CHIP 0.1uF 10%	16V
C981	1-107-826-11	CERAMIC CHIP 0.1uF 10%	16V
C983	1-107-826-11	CERAMIC CHIP 0.1uF 10%	16V
C984	1-107-826-11	CERAMIC CHIP 0.1uF 10%	16V
C985	1-131-664-11	CERAMIC CHIP 0.15uF 10%	10V
C986	1-127-715-11	CERAMIC CHIP 0.22uF 10%	16V
		< CONNECTOR >	
CN901	1-819-758-11	PLUG, CONNECTOR 15P	
		< DIODE >	
D901	6-500-886-01	DIODE RSA6.1ENTR	
D903	6-501-180-01	DIODE UDZW-TE17-18B	
D981	6-501-167-01	DIODE UDZW-TE17-5.1B	
D982	6-501-193-01	DIODE 1SS355WTE-17	
		< JUMPER RESISTOR >	
FB901	1-216-864-11	SHORT CHIP 0	
FB902	1-216-864-11	SHORT CHIP 0	
FB903	1-216-295-11	SHORT CHIP 0	
		< IC >	
IC901	6-707-063-01	IC LC75826WH-US-E	
IC971	6-600-163-01	IC RS-770 (IR)	

Ref. No.	Part No.	Description	Remark
		< DIODE >	
LED932	6-501-339-01	LED NESW505CT-AST (LCD BACK LIGHT)	
LED941	6-500-450-01	LED CL-195SR-CD-T (RING ILLUMINATION) (GT200/GT200S/GT250S)	
LED941	6-500-510-01	LED CL-195PG-CD-T (RING ILLUMINATION) (GT20W/GT200E)	
LED942	6-500-450-01	LED CL-195SR-CD-T (RING ILLUMINATION) (GT200/GT200S/GT250S)	
LED942	6-500-510-01	LED CL-195PG-CD-T (RING ILLUMINATION) (GT20W/GT200E)	
LED943	6-500-450-01	LED CL-195SR-CD-T (RING ILLUMINATION) (GT200/GT200S/GT250S)	
LED943	6-500-510-01	LED CL-195PG-CD-T (RING ILLUMINATION) (GT20W/GT200E)	
LED944	6-500-450-01	LED CL-195SR-CD-T (RING ILLUMINATION) (GT200/GT200S/GT250S)	
LED944	6-500-510-01	LED CL-195PG-CD-T (RING ILLUMINATION) (GT20W/GT200E)	
LED951	6-500-450-01	LED CL-195SR-CD-T (DISC SLOT) (GT200/GT200S/GT250S)	
LED951	6-500-510-01	LED CL-195PG-CD-T (DISC SLOT) (GT20W/GT200E)	
		< SWITCH >	
LSW901	1-786-805-11	SWITCH, TACTILE (WITH LED) (⏏) (GT200/GT200S/GT250S)	
LSW901	1-786-806-11	SWITCH, TACTILE (WITH LED) (⏏) (GT20W/GT200E)	
LSW902	1-786-805-11	SWITCH, TACTILE (WITH LED) (OFF) (GT200/GT200S/GT250S)	
LSW902	1-786-806-11	SWITCH, TACTILE (WITH LED) (OFF) (GT20W/GT200E)	
LSW903	1-786-805-11	SWITCH, TACTILE (WITH LED) (SOURCE) (GT200/GT200S/GT250S)	
LSW903	1-786-806-11	SWITCH, TACTILE (WITH LED) (SOURCE) (GT20W/GT200E)	
LSW904	1-786-805-11	SWITCH, TACTILE (WITH LED) (GP/ALBM –) (GT200/GT200S/GT250S)	
LSW904	1-786-806-11	SWITCH, TACTILE (WITH LED) (GP/ALBM –) (GT20W/GT200E)	
LSW906	1-786-805-11	SWITCH, TACTILE (WITH LED) (GP/ALBM +) (GT200/GT200S/GT250S)	

KEY

Ref. No.	Part No.	Description	Remark
LSW906	1-786-806-11	SWITCH, TACTILE (WITH LED) (GP/ALBM +)	(GT20W/GT200E)
LSW907	1-786-805-11	SWITCH, TACTILE (WITH LED) (●/SCRL)	(GT200:US,CND/GT250S)
LSW907	1-786-805-11	SWITCH, TACTILE (WITH LED) (●/AF/TA)	(GT200:AEP,UK/GT200S)
LSW907	1-786-806-11	SWITCH, TACTILE (WITH LED) (●/SCRL)	(GT20W/GT200E)
LSW908	1-786-805-11	SWITCH, TACTILE (WITH LED) (EQ3)	(GT200/GT200S/GT250S)
LSW908	1-786-806-11	SWITCH, TACTILE (WITH LED) (EQ3)	(GT20W/GT200E)
LSW909	1-786-805-11	SWITCH, TACTILE (WITH LED) (▶▶ ▶▶I SEEK +)	(GT200/GT200S/GT250S)
LSW909	1-786-806-11	SWITCH, TACTILE (WITH LED) (▶▶ ▶▶I SEEK +)	(GT20W/GT200E)
LSW910	1-786-805-11	SWITCH, TACTILE (WITH LED) (I◀◀ ◀◀ SEEK –)	(GT200/GT200S/GT250S)
LSW910	1-786-806-11	SWITCH, TACTILE (WITH LED) (I◀◀ ◀◀ SEEK –)	(GT20W/GT200E)
LSW911	1-786-805-11	SWITCH, TACTILE (WITH LED) (BTM)	(GT200:US,CND/GT250S)
LSW911	1-786-805-11	SWITCH, TACTILE (WITH LED) (PTY)	(GT200:AEP,UK/GT200S)
LSW911	1-786-806-11	SWITCH, TACTILE (WITH LED) (BTM)	(GT20W/GT200E)
LSW912	1-786-805-11	SWITCH, TACTILE (WITH LED) (MODE)	(GT200/GT200S/GT250S)
LSW912	1-786-806-11	SWITCH, TACTILE (WITH LED) (MODE)	(GT20W/GT200E)
LSW913	1-786-805-11	SWITCH, TACTILE (WITH LED) (1)	(GT200/GT200S/GT250S)
LSW913	1-786-806-11	SWITCH, TACTILE (WITH LED) (1)	(GT20W/GT200E)
LSW914	1-786-805-11	SWITCH, TACTILE (WITH LED) (2)	(GT200/GT200S/GT250S)
LSW914	1-786-806-11	SWITCH, TACTILE (WITH LED) (2)	(GT20W/GT200E)
LSW915	1-786-805-11	SWITCH, TACTILE (WITH LED) (3/REP)	(GT200/GT200S/GT250S)
LSW915	1-786-806-11	SWITCH, TACTILE (WITH LED) (3/REP)	(GT20W/GT200E)
LSW916	1-786-805-11	SWITCH, TACTILE (WITH LED) (4/SHUF)	(GT200/GT200S/GT250S)
LSW916	1-786-806-11	SWITCH, TACTILE (WITH LED) (4/SHUF)	(GT20W/GT200E)
LSW917	1-786-805-11	SWITCH, TACTILE (WITH LED) (5)	(GT200/GT200S/GT250S)
LSW917	1-786-806-11	SWITCH, TACTILE (WITH LED) (5)	(GT20W/GT200E)
LSW918	1-786-805-11	SWITCH, TACTILE (WITH LED) (6/PAUSE)	(GT200/GT200S/GT250S)
LSW918	1-786-806-11	SWITCH, TACTILE (WITH LED) (6/PAUSE)	(GT20W/GT200E)
LSW919	1-786-805-11	SWITCH, TACTILE (WITH LED) (SENS)	(GT200:US,CND/GT250S)
LSW919	1-786-805-11	SWITCH, TACTILE (WITH LED) (SENS/BTM)	(GT200:AEP,UK/GT200S)
LSW919	1-786-806-11	SWITCH, TACTILE (WITH LED) (SENS)	(GT20W/GT200E)
LSW920	1-786-805-11	SWITCH, TACTILE (WITH LED) (DSPL/DIM)	(GT200/GT200S/GT250S)
LSW920	1-786-806-11	SWITCH, TACTILE (WITH LED) (DSPL/DIM)	(GT20W/GT200E)
		< TRANSISTOR >	
Q931	8-729-027-44	TRANSISTOR DTC114TKA-T146	
Q932	8-729-027-58	TRANSISTOR DTC143ZKA-T146	
		< RESISTOR >	
R901	1-216-819-11	METAL CHIP 680 5% 1/10W	
R902	1-216-819-11	METAL CHIP 680 5% 1/10W	
R903	1-216-819-11	METAL CHIP 680 5% 1/10W	
R904	1-216-821-11	METAL CHIP 1K 5% 1/10W	
R905	1-216-823-11	METAL CHIP 1.5K 5% 1/10W	
R906	1-216-819-11	METAL CHIP 680 5% 1/10W	
R907	1-216-819-11	METAL CHIP 680 5% 1/10W	
R908	1-216-819-11	METAL CHIP 680 5% 1/10W	
R909	1-216-821-11	METAL CHIP 1K 5% 1/10W	
R910	1-216-823-11	METAL CHIP 1.5K 5% 1/10W	
R911	1-216-823-11	METAL CHIP 1.5K 5% 1/10W	
R912	1-216-825-11	METAL CHIP 2.2K 5% 1/10W	
R913	1-216-827-11	METAL CHIP 3.3K 5% 1/10W	
R914	1-216-829-11	METAL CHIP 4.7K 5% 1/10W	
R915	1-218-867-11	METAL CHIP 6.8K 0.5% 1/10W	
R916	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R917	1-216-835-11	METAL CHIP 15K 5% 1/10W	
R918	1-216-837-11	METAL CHIP 22K 5% 1/10W	
R921	1-216-025-11	RES-CHIP 100 5% 1/10W	
R922	1-216-025-11	RES-CHIP 100 5% 1/10W	
R931	1-216-812-11	METAL CHIP 180 5% 1/10W	
R932	1-216-812-11	METAL CHIP 180 5% 1/10W	
R933	1-216-812-11	METAL CHIP 180 5% 1/10W	
R934	1-216-822-11	METAL CHIP 1.2K 5% 1/10W	
R941	1-216-810-11	METAL CHIP 120 5% 1/10W	(GT20W/GT200E)
R941	1-216-813-11	METAL CHIP 220 5% 1/10W	(GT200/GT200S/GT250S)
R942	1-216-810-11	METAL CHIP 120 5% 1/10W	(GT20W/GT200E)
R942	1-216-813-11	METAL CHIP 220 5% 1/10W	(GT200/GT200S/GT250S)
R944	1-216-811-11	METAL CHIP 150 5% 1/10W	
R945	1-216-810-11	METAL CHIP 120 5% 1/10W	(GT20W/GT200E)
R945	1-216-812-11	METAL CHIP 180 5% 1/10W	(GT200/GT200S/GT250S)
R946	1-216-807-11	METAL CHIP 68 5% 1/10W	(GT20W/GT200E)
R946	1-216-809-11	METAL CHIP 100 5% 1/10W	(GT200/GT200S/GT250S)
R947	1-216-807-11	METAL CHIP 68 5% 1/10W	(GT20W/GT200E)
R947	1-216-809-11	METAL CHIP 100 5% 1/10W	(GT200/GT200S/GT250S)
R948	1-216-811-11	METAL CHIP 150 5% 1/10W	
R949	1-216-810-11	METAL CHIP 120 5% 1/10W	(GT20W/GT200E)
R949	1-216-812-11	METAL CHIP 180 5% 1/10W	(GT200/GT200S/GT250S)
R950	1-216-807-11	METAL CHIP 68 5% 1/10W	(GT20W/GT200E)

KEY **MAIN**

Ref. No.	Part No.	Description				Remark
R950	1-216-809-11	METAL CHIP	100	5%	1/10W	
						(GT200/GT200S/GT250S)
R951	1-216-807-11	METAL CHIP	68	5%	1/10W	
						(GT20W/GT200E)
R951	1-216-809-11	METAL CHIP	100	5%	1/10W	
						(GT200/GT200S/GT250S)
R952	1-216-810-11	METAL CHIP	120	5%	1/10W	
						(GT20W/GT200E)
R952	1-216-811-11	METAL CHIP	150	5%	1/10W	
						(GT200/GT200S/GT250S)
R953	1-216-811-11	METAL CHIP	150	5%	1/10W	
R954	1-216-810-11	METAL CHIP	120	5%	1/10W	
						(GT20W/GT200E)
R954	1-216-811-11	METAL CHIP	150	5%	1/10W	
						(GT200/GT200S/GT250S)
R955	1-216-811-11	METAL CHIP	150	5%	1/10W	
R956	1-216-810-11	METAL CHIP	120	5%	1/10W	
						(GT20W/GT200E)
R956	1-216-812-11	METAL CHIP	180	5%	1/10W	
						(GT200/GT200S/GT250S)
R957	1-216-811-11	METAL CHIP	150	5%	1/10W	
R958	1-216-810-11	METAL CHIP	120	5%	1/10W	
						(GT20W/GT200E)
R958	1-216-812-11	METAL CHIP	180	5%	1/10W	
						(GT200/GT200S/GT250S)
R959	1-216-811-11	METAL CHIP	150	5%	1/10W	
R960	1-216-810-11	METAL CHIP	120	5%	1/10W	
						(GT20W/GT200E)
R960	1-216-812-11	METAL CHIP	180	5%	1/10W	
						(GT200/GT200S/GT250S)
R961	1-216-811-11	METAL CHIP	150	5%	1/10W	
R962	1-216-810-11	METAL CHIP	120	5%	1/10W	
						(GT20W/GT200E)
R962	1-216-812-11	METAL CHIP	180	5%	1/10W	
						(GT200/GT200S/GT250S)
R963	1-216-811-11	METAL CHIP	150	5%	1/10W	
R964	1-216-810-11	METAL CHIP	120	5%	1/10W	
						(GT20W/GT200E)
R964	1-216-812-11	METAL CHIP	180	5%	1/10W	
						(GT200/GT200S/GT250S)
R972	1-216-809-11	METAL CHIP	100	5%	1/10W	
R974	1-216-864-11	SHORT CHIP	0			
R976	1-216-864-11	SHORT CHIP	0			
R977	1-216-809-11	METAL CHIP	100	5%	1/10W	
R978	1-216-809-11	METAL CHIP	100	5%	1/10W	
R979	1-216-809-11	METAL CHIP	100	5%	1/10W	
R981	1-216-811-11	METAL CHIP	150	5%	1/10W	
R982	1-216-811-11	METAL CHIP	150	5%	1/10W	
R984	1-216-821-11	METAL CHIP	1K	5%	1/10W	
R985	1-216-821-11	METAL CHIP	1K	5%	1/10W	
R986	1-216-821-11	METAL CHIP	1K	5%	1/10W	
R987	1-216-857-11	METAL CHIP	1M	5%	1/10W	
R991	1-216-864-11	SHORT CHIP	0			

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Ref. No.	Part No.	Description				Remark
	A-1134-479-A	MAIN BOARD, COMPLETE (US,CND)				
	A-1134-494-A	MAIN BOARD, COMPLETE (GT250S)				
	A-1134-507-A	MAIN BOARD, COMPLETE				
						(GT200:AEP,UK/GT200S)
	A-1134-514-A	MAIN BOARD, COMPLETE (GT200E)				
		**********************				
	7-621-284-40	SCREW +P 2.6X10				
	7-685-134-19	SCREW +P 2.6X8 TYPE2 NON-SLIT				
	7-685-793-09	SCREW +PTT 2.6X8 (S)				
	7-685-795-09	SCREW +PTT 2.6X12 (S)				
		< CAPACITOR >				
C1	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V	
						(GT200:AEP,UK/GT200S)
C2	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V	
						(GT200:AEP,UK/GT200S)
C3	1-126-963-11	ELECT	4.7uF	20%	50V	
						(GT200:AEP,UK/GT200S)
C4	1-126-947-11	ELECT	47uF	20%	35V	
C5	1-126-947-11	ELECT	47uF	20%	35V	
C6	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	
C7	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	
C12	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	
C13	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	
C51	1-126-947-11	ELECT	47uF	20%	35V	
						(GT200:AEP,UK/GT200S)
C53	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
						(GT200:AEP,UK/GT200S)
C54	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
						(GT200:AEP,UK/GT200S)
C55	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
						(GT200:AEP,UK/GT200S)
C56	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
						(GT200:AEP,UK/GT200S)
C57	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
						(GT200:AEP,UK/GT200S)
C58	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
						(GT200:AEP,UK/GT200S)
C59	1-164-237-11	CERAMIC CHIP	16PF	5%	50V	
						(GT200:AEP,UK/GT200S)
C60	1-162-916-11	CERAMIC CHIP	12PF	5%	50V	
						(GT200:AEP,UK/GT200S)
C62	1-162-959-11	CERAMIC CHIP	330PF	5%	50V	
						(GT200:AEP,UK/GT200S)
C301	1-128-551-11	ELECT	22uF	20%	63V	
C302	1-104-665-11	ELECT	100uF	20%	25V	
C305	1-104-665-11	ELECT	100uF	20%	25V	
C306	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	
C308	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	
C309	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V	
C310	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V	
C312	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	
C343	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	
C401	1-126-964-11	ELECT	10uF	20%	50V	
C404	1-127-715-11	CERAMIC CHIP	0.22uF	10%	16V	
C405	1-127-715-11	CERAMIC CHIP	0.22uF	10%	16V	
C406	1-126-960-11	ELECT	1uF	20%	50V	
C407	1-126-960-11	ELECT	1uF	20%	50V	
C410	1-162-923-11	CERAMIC CHIP	47PF	5%	50V	
C411	1-162-923-11	CERAMIC CHIP	47PF	5%	50V	

Ref. No.	Part No.	Description			Remark
C412	1-126-934-11	ELECT	220uF	20%	16V
C413	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C431	1-126-964-11	ELECT	10uF	20%	50V
C432	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C435	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C441	1-126-964-11	ELECT	10uF	20%	50V
C442	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C445	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C451	1-126-964-11	ELECT	10uF	20%	50V
C452	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C455	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C461	1-126-964-11	ELECT	10uF	20%	50V
C462	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C465	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C471	1-126-964-11	ELECT	10uF	20%	50V
C474	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C479	1-126-947-11	ELECT	47uF	20%	35V
C481	1-126-964-11	ELECT	10uF	20%	50V
C484	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C501	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C502	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C503	1-104-665-11	ELECT	100uF	20%	25V
C504	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C507	1-162-917-11	CERAMIC CHIP	15PF	5%	50V
C508	1-162-917-11	CERAMIC CHIP	15PF	5%	50V
C509	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C510	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C511	1-104-665-11	ELECT	100uF	20%	25V
C512	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C513	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C514	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C516	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V (GT200:AEP,UK/GT200S)
C516	1-216-864-11	SHORT CHIP	0		(GT20W/GT200:US,CND/GT200E/GT250S)
C519	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C601	1-131-868-81	ELECT	3300uF	20%	16V
C602	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C617	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V
C618	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V
C622	1-126-916-11	ELECT	1000uF	20%	6.3V
C623	1-126-916-11	ELECT	1000uF	20%	6.3V
C631	1-126-960-11	ELECT	1uF	20%	50V
C750	1-115-340-11	CERAMIC CHIP	0.22uF	10%	25V
C751	1-115-340-11	CERAMIC CHIP	0.22uF	10%	25V
C753	1-128-551-11	ELECT	22uF	20%	63V
C754	1-126-961-11	ELECT	2.2uF	20%	50V
C755	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C756	1-127-715-11	CERAMIC CHIP	0.22uF	10%	16V
C758	1-126-964-11	ELECT	10uF	20%	50V
C763	1-127-715-11	CERAMIC CHIP	0.22uF	10%	16V
C764	1-115-340-11	CERAMIC CHIP	0.22uF	10%	25V
C765	1-115-340-11	CERAMIC CHIP	0.22uF	10%	25V
C769	1-127-715-11	CERAMIC CHIP	0.22uF	10%	16V
C770	1-127-715-11	CERAMIC CHIP	0.22uF	10%	16V
C771	1-127-715-11	CERAMIC CHIP	0.22uF	10%	16V
C774	1-115-340-11	CERAMIC CHIP	0.22uF	10%	25V
C775	1-115-340-11	CERAMIC CHIP	0.22uF	10%	25V
C776	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C901	1-109-982-11	CERAMIC CHIP	1uF	10%	10V
C902	1-109-982-11	CERAMIC CHIP	1uF	10%	10V
C903	1-126-961-11	ELECT	2.2uF	20%	50V
C905	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C917	1-163-017-00	CERAMIC CHIP	0.0047uF	10%	50V
C918	1-163-017-00	CERAMIC CHIP	0.0047uF	10%	50V
		< CONNECTOR >			
CN601	1-774-701-21	PIN, CONNECTOR 16P			
CN701	1-819-773-11	SOCKET, CONNECTOR 15P			
CNP301	1-817-536-11	CONNECTOR, BOARD TO BOARD 28P			
		< DIODE >			
D1	6-501-168-01	DIODE UDZW-TE17-5.6B			
D479	6-501-193-01	DIODE 1SS355WTE-17			
D502	8-719-060-48	DIODE RB751V-40TE-17			
D503	6-501-193-01	DIODE 1SS355WTE-17			
D510	6-501-013-01	DIODE BAT54ALT1G			
D511	6-500-335-01	DIODE MC2838-T112-1			
D512	6-501-051-01	DIODE BAT54CLT1G			
D580	6-501-171-01	DIODE UDZW-TE17-7.5B			
D581	6-501-180-01	DIODE UDZW-TE17-18B			
D601	8-719-049-38	DIODE 1N5404TU			
D609	6-501-170-01	DIODE UDZW-TE17-6.8B			
D617	6-501-180-01	DIODE UDZW-TE17-18B			
D651	6-501-180-01	DIODE UDZW-TE17-18B			(AEP,UK)
D719	6-501-180-01	DIODE UDZW-TE17-18B			
D751	6-500-522-01	DIODE 10EDB40-TA1B2			
D752	6-500-522-01	DIODE 10EDB40-TA1B2			
D753	6-500-522-01	DIODE 10EDB40-TA1B2			
D754	6-500-522-01	DIODE 10EDB40-TA1B2			
D755	6-500-522-01	DIODE 10EDB40-TA1B2			
D756	6-500-522-01	DIODE 10EDB40-TA1B2			
D757	6-500-522-01	DIODE 10EDB40-TA1B2			
D758	6-500-522-01	DIODE 10EDB40-TA1B2			
D759	6-500-522-01	DIODE 10EDB40-TA1B2			
D760	6-500-522-01	DIODE 10EDB40-TA1B2			
D761	6-500-522-01	DIODE 10EDB40-TA1B2			
D762	6-500-522-01	DIODE 10EDB40-TA1B2			
D903	6-501-170-01	DIODE UDZW-TE17-6.8B			
		< FERRITE BEAD >			
FB1	1-500-245-11	INDUCTOR, FERRITE BEAD			
FB302	1-216-864-11	SHORT CHIP	0		
FB303	1-216-864-11	SHORT CHIP	0		
FB304	1-216-295-11	SHORT CHIP	0		
FB305	1-216-295-11	SHORT CHIP	0		
FB307	1-216-864-11	SHORT CHIP	0		
FB308	1-216-295-11	SHORT CHIP	0		
FB309	1-216-864-11	SHORT CHIP	0		
FB310	1-216-864-11	SHORT CHIP	0		
FB410	1-216-864-11	SHORT CHIP	0		(GT20W/GT200:US,CND/GT200E/GT250S)
FB410	1-414-595-11	INDUCTOR, FERRITE BEAD			(GT200:AEP,UK/GT200S)
FB411	1-216-864-11	SHORT CHIP	0		(GT20W/GT200:US,CND/GT200E/GT250S)

MAIN

Ref. No.	Part No.	Description	Remark
FB411	1-414-595-11	INDUCTOR, FERRITE BEAD	(GT200:AEP,UK/GT200S)
FB501	1-216-295-11	SHORT CHIP 0	
FB603	1-216-295-11	SHORT CHIP 0	
FB604	1-500-245-11	INDUCTOR, FERRITE BEAD	
FB605	1-216-864-11	SHORT CHIP 0	
FB606	1-216-864-11	SHORT CHIP 0	
		< FUSE >	
FU601	1-532-877-11	FUSE (BLADE TYPE) (AUTO FUSE) 10A	
		< IC >	
IC51	6-803-747-01	IC TDA7333013TR (GT200:AEP,UK/GT200S)	
IC401	6-708-880-01	IC BD3806AFS-E2	
IC501	6-806-031-01	IC MB90487APF-G-155E1	
IC602	8-759-659-13	IC PST3428UL	
IC750	6-705-360-02	IC TDA8588BJ/N2/R1	
IC901	8-759-681-42	IC NJM12902V(TE2)	
		< JACK >	
J1	1-815-185-13	JACK (ANTENNA)	
J330	1-774-698-11	JACK, PIN 2P (AUDIO OUT REAR)	
		< JUMPER RESISTOR >	
JC1	1-216-864-11	SHORT CHIP 0	
JC501	1-216-864-11	SHORT CHIP 0	
JC504	1-216-864-11	SHORT CHIP 0	
JC527	1-216-821-11	METAL CHIP 1K 5% 1/10W	
JC533	1-216-864-11	SHORT CHIP 0	
JC681	1-216-864-11	SHORT CHIP 0	
JC753	1-216-296-11	SHORT CHIP 0	
JC754	1-216-296-11	SHORT CHIP 0	
JC755	1-216-296-11	SHORT CHIP 0	
JC756	1-216-864-11	SHORT CHIP 0	
JC795	1-216-864-11	SHORT CHIP 0	
		< COIL >	
L1	1-469-844-11	INDUCTOR 2.2uH	
L51	1-216-295-11	SHORT CHIP 0 (GT200:AEP,UK/GT200S)	
L301	1-216-295-11	SHORT CHIP 0	
L501	1-216-295-11	SHORT CHIP 0	
L601	1-456-617-11	COIL, CHOKE	
		< TRANSISTOR >	
Q1	6-551-431-01	TRANSISTOR 2SC6027T100	
Q22	1-801-806-11	TRANSISTOR DTC144EKA	(GT200:AEP,UK/GT200S)
Q51	8-729-600-22	TRANSISTOR 2SA1235-F	(GT200:AEP,UK/GT200S)
Q431	8-729-027-44	TRANSISTOR DTC114TKA-T146	
Q441	8-729-027-44	TRANSISTOR DTC114TKA-T146	
Q451	8-729-027-44	TRANSISTOR DTC114TKA-T146	
Q461	8-729-027-44	TRANSISTOR DTC114TKA-T146	
Q471	6-551-392-01	TRANSISTOR RT6N140C-TP-1	
Q478	1-801-806-11	TRANSISTOR DTC144EKA	
Q479	8-729-027-23	TRANSISTOR DTA114EKA-T146	
Q481	6-551-392-01	TRANSISTOR RT6N140C-TP-1	

Ref. No.	Part No.	Description	Remark
Q580	8-729-027-43	TRANSISTOR DTC114EKA-T146	
Q581	1-801-806-11	TRANSISTOR DTC144EKA	
Q582	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q631	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q651	8-729-120-28	TRANSISTOR 2SC1623-L5L6 (AEP,UK)	
Q664	8-729-027-23	TRANSISTOR DTA114EKA-T146	
		< RESISTOR >	
R1	1-216-821-11	METAL CHIP 1K 5% 1/10W	
R2	1-414-595-11	INDUCTOR, FERRITE BEAD	
R3	1-414-595-11	INDUCTOR, FERRITE BEAD	
R4	1-216-839-11	METAL CHIP 33K 5% 1/10W	
R5	1-216-843-11	METAL CHIP 68K 5% 1/10W	
R6	1-216-839-11	METAL CHIP 33K 5% 1/10W	(GT200:AEP,UK/GT200S)
R7	1-216-843-11	METAL CHIP 68K 5% 1/10W	(GT200:AEP,UK/GT200S)
R8	1-216-839-11	METAL CHIP 33K 5% 1/10W	(GT200:AEP,UK/GT200S)
R9	1-216-843-11	METAL CHIP 68K 5% 1/10W	(GT200:AEP,UK/GT200S)
R12	1-414-595-11	INDUCTOR, FERRITE BEAD	
R13	1-414-595-11	INDUCTOR, FERRITE BEAD	
R29	1-216-809-11	METAL CHIP 100 5% 1/10W	(GT200:AEP,UK/GT200S)
R51	1-216-797-11	METAL CHIP 10 5% 1/10W	(GT200:AEP,UK/GT200S)
R52	1-216-803-11	METAL CHIP 33 5% 1/10W	(GT200:AEP,UK/GT200S)
R53	1-414-595-11	INDUCTOR, FERRITE BEAD	(GT200:AEP,UK/GT200S)
R54	1-216-833-11	METAL CHIP 10K 5% 1/10W	(GT200:AEP,UK/GT200S)
R55	1-216-864-11	SHORT CHIP 0 (GT200:AEP,UK/GT200S)	
R56	1-414-595-11	INDUCTOR, FERRITE BEAD	(GT200:AEP,UK/GT200S)
R57	1-414-595-11	INDUCTOR, FERRITE BEAD	(GT200:AEP,UK/GT200S)
R58	1-216-833-11	METAL CHIP 10K 5% 1/10W	(GT200:AEP,UK/GT200S)
R59	1-216-845-11	METAL CHIP 100K 5% 1/10W	(GT200:AEP,UK/GT200S)
R60	1-216-833-11	METAL CHIP 10K 5% 1/10W	(GT200:AEP,UK/GT200S)
R61	1-216-821-11	METAL CHIP 1K 5% 1/10W	(GT200:AEP,UK/GT200S)
R301	1-216-821-11	METAL CHIP 1K 5% 1/10W	
R302	1-216-821-11	METAL CHIP 1K 5% 1/10W	
R401	1-216-797-11	METAL CHIP 10 5% 1/10W	
R405	1-218-881-11	METAL CHIP 27K 0.5% 1/10W	
R406	1-216-809-11	METAL CHIP 100 5% 1/10W	
R407	1-216-809-11	METAL CHIP 100 5% 1/10W	
R408	1-216-809-11	METAL CHIP 100 5% 1/10W	
R409	1-216-809-11	METAL CHIP 100 5% 1/10W	
R410	1-216-809-11	METAL CHIP 100 5% 1/10W	
R411	1-216-809-11	METAL CHIP 100 5% 1/10W	
R431	1-216-821-11	METAL CHIP 1K 5% 1/10W	
R432	1-216-841-11	METAL CHIP 47K 5% 1/10W	
R441	1-216-821-11	METAL CHIP 1K 5% 1/10W	
R442	1-216-841-11	METAL CHIP 47K 5% 1/10W	

Ref. No.	Part No.	Description			Remark
R451	1-216-821-11	METAL CHIP	1K	5%	1/10W
R452	1-216-841-11	METAL CHIP	47K	5%	1/10W
R461	1-216-821-11	METAL CHIP	1K	5%	1/10W
R462	1-216-841-11	METAL CHIP	47K	5%	1/10W
R471	1-216-809-11	METAL CHIP	100	5%	1/10W
R472	1-216-841-11	METAL CHIP	47K	5%	1/10W
R479	1-216-805-11	METAL CHIP	47	5%	1/10W
R481	1-216-809-11	METAL CHIP	100	5%	1/10W
R482	1-216-841-11	METAL CHIP	47K	5%	1/10W
R502	1-216-821-11	METAL CHIP	1K	5%	1/10W
R503	1-216-821-11	METAL CHIP	1K	5%	1/10W
R504	1-218-871-11	METAL CHIP	10K	0.5%	1/10W
R505	1-218-871-11	METAL CHIP	10K	0.5%	1/10W
R506	1-216-845-11	METAL CHIP	100K	5%	1/10W (GT20W/GT200/GT200S/GT250S)
R507	1-216-845-11	METAL CHIP	100K	5%	1/10W (EXCEPT AEP,UK)
R508	1-216-864-11	SHORT CHIP	0		
R509	1-216-812-11	METAL CHIP	180	5%	1/10W
R510	1-216-821-11	METAL CHIP	1K	5%	1/10W
R511	1-216-821-11	METAL CHIP	1K	5%	1/10W
R512	1-216-821-11	METAL CHIP	1K	5%	1/10W
R513	1-216-845-11	METAL CHIP	100K	5%	1/10W
R514	1-216-845-11	METAL CHIP	100K	5%	1/10W
R517	1-216-841-11	METAL CHIP	47K	5%	1/10W
R518	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R519	1-216-845-11	METAL CHIP	100K	5%	1/10W
R520	1-216-845-11	METAL CHIP	100K	5%	1/10W (GT200E)
R521	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R522	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R528	1-216-845-11	METAL CHIP	100K	5%	1/10W
R529	1-216-821-11	METAL CHIP	1K	5%	1/10W
R531	1-216-845-11	METAL CHIP	100K	5%	1/10W
R532	1-216-845-11	METAL CHIP	100K	5%	1/10W
R533	1-216-845-11	METAL CHIP	100K	5%	1/10W
R534	1-216-833-11	METAL CHIP	10K	5%	1/10W
R535	1-216-833-11	METAL CHIP	10K	5%	1/10W
R536	1-216-845-11	METAL CHIP	100K	5%	1/10W
R537	1-216-845-11	METAL CHIP	100K	5%	1/10W (AEP,UK,E,MX)
R538	1-216-845-11	METAL CHIP	100K	5%	1/10W (US,CND)
R539	1-216-821-11	METAL CHIP	1K	5%	1/10W
R540	1-216-845-11	METAL CHIP	100K	5%	1/10W
R541	1-216-845-11	METAL CHIP	100K	5%	1/10W
R542	1-216-821-11	METAL CHIP	1K	5%	1/10W
R543	1-216-821-11	METAL CHIP	1K	5%	1/10W
R544	1-216-821-11	METAL CHIP	1K	5%	1/10W
R545	1-216-845-11	METAL CHIP	100K	5%	1/10W (GT250S)
R546	1-216-845-11	METAL CHIP	100K	5%	1/10W (GT250S)
R547	1-216-864-11	SHORT CHIP	0		
R549	1-216-845-11	METAL CHIP	100K	5%	1/10W (GT200E)
R550	1-216-845-11	METAL CHIP	100K	5%	1/10W
R551	1-216-845-11	METAL CHIP	100K	5%	1/10W (GT20W/GT200/GT200S)
R556	1-216-833-11	METAL CHIP	10K	5%	1/10W (EXCEPT AEP,UK)
R557	1-216-809-11	METAL CHIP	100	5%	1/10W
R558	1-216-821-11	METAL CHIP	1K	5%	1/10W (GT20W/GT200:US,CND/GT200E/GT250S)
R561	1-216-845-11	METAL CHIP	100K	5%	1/10W
R563	1-216-845-11	METAL CHIP	100K	5%	1/10W
R564	1-216-845-11	METAL CHIP	100K	5%	1/10W (AEP,UK)
R565	1-216-845-11	METAL CHIP	100K	5%	1/10W
R566	1-216-845-11	METAL CHIP	100K	5%	1/10W
R567	1-216-845-11	METAL CHIP	100K	5%	1/10W
R568	1-216-821-11	METAL CHIP	1K	5%	1/10W (GT20W/GT200:US,CND/GT200E/GT250S)
R570	1-216-817-11	METAL CHIP	470	5%	1/10W
R573	1-216-845-11	METAL CHIP	100K	5%	1/10W (AEP,UK)
R575	1-216-845-11	METAL CHIP	100K	5%	1/10W
R577	1-216-845-11	METAL CHIP	100K	5%	1/10W
R578	1-216-821-11	METAL CHIP	1K	5%	1/10W
R582	1-216-821-11	METAL CHIP	1K	5%	1/10W
R583	1-216-821-11	METAL CHIP	1K	5%	1/10W
R584	1-216-841-11	METAL CHIP	47K	5%	1/10W
R585	1-216-849-11	METAL CHIP	220K	5%	1/10W
R601	1-216-845-11	METAL CHIP	100K	5%	1/10W
R609	1-216-821-11	METAL CHIP	1K	5%	1/10W
R631	1-249-425-11	CARBON	4.7K	5%	1/4W
R632	1-216-841-11	METAL CHIP	47K	5%	1/10W
R633	1-216-841-11	METAL CHIP	47K	5%	1/10W
R634	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R636	1-216-845-11	METAL CHIP	100K	5%	1/10W
R651	1-216-821-11	METAL CHIP	1K	5%	1/10W (AEP,UK)
R652	1-216-841-11	METAL CHIP	47K	5%	1/10W (AEP,UK)
R653	1-216-833-11	METAL CHIP	10K	5%	1/10W (AEP,UK)
R654	1-216-833-11	METAL CHIP	10K	5%	1/10W (AEP,UK)
R661	1-216-821-11	METAL CHIP	1K	5%	1/10W
R662	1-216-845-11	METAL CHIP	100K	5%	1/10W
R663	1-216-821-11	METAL CHIP	1K	5%	1/10W
R664	1-216-845-11	METAL CHIP	100K	5%	1/10W
R671	1-216-809-11	METAL CHIP	100	5%	1/10W
R672	1-216-809-11	METAL CHIP	100	5%	1/10W
R673	1-216-833-11	METAL CHIP	10K	5%	1/10W
R674	1-216-845-11	METAL CHIP	100K	5%	1/10W
R675	1-216-821-11	METAL CHIP	1K	5%	1/10W
R676	1-216-821-11	METAL CHIP	1K	5%	1/10W
R677	1-216-821-11	METAL CHIP	1K	5%	1/10W
R679	1-216-821-11	METAL CHIP	1K	5%	1/10W
R681	1-216-864-11	SHORT CHIP	0		
R691	1-216-845-11	METAL CHIP	100K	5%	1/10W
R692	1-216-845-11	METAL CHIP	100K	5%	1/10W
R694	1-216-821-11	METAL CHIP	1K	5%	1/10W (GT200:AEP,UK/GT200S)
R752	1-216-811-11	METAL CHIP	150	5%	1/10W
R756	1-216-841-11	METAL CHIP	47K	5%	1/10W
R757	1-216-864-11	SHORT CHIP	0		
R901	1-216-817-11	METAL CHIP	470	5%	1/10W

MAIN **SENSOR** **SERVO**

Ref. No.	Part No.	Description			Remark
R902	1-216-817-11	METAL CHIP	470	5%	1/10W
R903	1-216-834-11	METAL CHIP	12K	5%	1/10W
R904	1-216-834-11	METAL CHIP	12K	5%	1/10W
R905	1-216-841-11	METAL CHIP	47K	5%	1/10W
R906	1-216-841-11	METAL CHIP	47K	5%	1/10W
R907	1-216-845-11	METAL CHIP	100K	5%	1/10W
R910	1-216-789-11	METAL CHIP	2.2	5%	1/10W
R911	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R912	1-216-864-11	SHORT CHIP	0		
R913	1-216-864-11	SHORT CHIP	0		
R914	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
		< SWITCH >			
S502	1-571-478-11	SWITCH, SLIDE (FREQUENCY SELECTOR)			(GT250S)
S702	1-786-826-11	SWITCH, TACTILE (RESET)			
		< TUNER UNIT >			
TU1	A-3220-961-A	TUNER UNIT (TUX-032)			
		< VIBRATOR >			
X51	1-813-173-11	VIBRATOR, CRYSTAL (8.664MHz)			(GT200:AEP,UK/GT200S)
X501	1-813-524-21	VIBRATOR, CERAMIC (18.432MHz)			
X502	1-813-202-11	VIBRATOR, CRYSTAL (32.768kHz)			

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SENSOR BOARD
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Ref. No.	Part No.	Description
		< SWITCH >
SW2	1-529-566-61	SWITCH, PUSH (1 KEY) (SELF)
SW3	1-529-566-61	SWITCH, PUSH (1 KEY) (DISC IN)

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A-1132-415-A SERVO BOARD, COMPLETE
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Ref. No.	Part No.	Description			Remark
		< CAPACITOR >			
C7	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C10	1-126-208-21	ELECT CHIP	47uF	20%	4V
C11	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C12	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C13	1-100-567-81	CERAMIC CHIP	0.01uF	10%	25V
C14	1-104-609-11	ELECT CHIP	100uF	20%	4V
C15	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C16	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C17	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C18	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C19	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C20	1-164-677-11	CERAMIC CHIP	0.033uF	10%	16V
C22	1-164-677-11	CERAMIC CHIP	0.033uF	10%	16V
C23	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C24	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C25	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C26	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C29	1-162-968-11	CERAMIC CHIP	0.0047uF	10%	50V
C30	1-162-968-11	CERAMIC CHIP	0.0047uF	10%	50V
C31	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V

Ref. No.	Part No.	Description			Remark
C32	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C33	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C36	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C39	1-126-208-21	ELECT CHIP	47uF	20%	4V
C40	1-126-395-11	ELECT CHIP	22uF	20%	16V
C41	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C42	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C43	1-100-567-81	CERAMIC CHIP	0.01uF	10%	25V
C44	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C45	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C46	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
C47	1-164-245-11	CERAMIC CHIP	0.015uF	10%	25V
C48	1-100-567-81	CERAMIC CHIP	0.01uF	10%	25V
C49	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C50	1-100-567-81	CERAMIC CHIP	0.01uF	10%	25V
C51	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C52	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C53	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C54	1-100-567-81	CERAMIC CHIP	0.01uF	10%	25V
C55	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C56	1-164-245-11	CERAMIC CHIP	0.015uF	10%	25V
C58	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C60	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C62	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C66	1-100-567-81	CERAMIC CHIP	0.01uF	10%	25V
C67	1-100-567-81	CERAMIC CHIP	0.01uF	10%	25V
C68	1-100-567-81	CERAMIC CHIP	0.01uF	10%	25V
C69	1-100-567-81	CERAMIC CHIP	0.01uF	10%	25V
C70	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C71	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C72	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C80	1-125-837-11	CERAMIC CHIP	1uF	10%	6.3V
C132	1-125-837-11	CERAMIC CHIP	1uF	10%	6.3V
C133	1-125-837-11	CERAMIC CHIP	1uF	10%	6.3V
		< CONNECTOR >			
CN1	1-691-380-21	CONNECTOR, FFC/FPC 16P			
CN2	1-817-275-21	CONNECTOR, BOARD TO BOARD 28P			
		< JUMPER RESISTOR >			
FB2	1-216-864-11	SHORT CHIP	0		
FB3	1-216-864-11	SHORT CHIP	0		
FB4	1-216-864-11	SHORT CHIP	0		
		< IC >			
IC1	6-707-327-01	IC BA5968FP-E2			
IC2	6-708-729-01	IC TC94A70FG-002			
IC3	6-806-019-01	IC MB90486BPFV-G-158E1			
IC6	6-708-728-01	IC BH15LB1WG			
		< TRANSISTOR >			
Q2	6-551-120-01	TRANSISTOR 2SA2119K			
Q3	8-729-928-90	TRANSISTOR DTC114EE			
Q21	8-729-904-87	TRANSISTOR 2SB1197K-R			
		< RESISTOR >			
R1	1-218-965-11	RES-CHIP	10K	5%	1/16W
R2	1-218-977-11	RES-CHIP	100K	5%	1/16W

SERVO

Ref. No.	Part No.	Description			Remark
R5	1-218-969-11	RES-CHIP	22K	5%	1/16W
R6	1-218-969-11	RES-CHIP	22K	5%	1/16W
R7	1-218-990-81	SHORT CHIP	0		
R8	1-218-965-11	RES-CHIP	10K	5%	1/16W
R9	1-218-965-11	RES-CHIP	10K	5%	1/16W
R10	1-218-990-81	SHORT CHIP	0		
R11	1-218-941-81	RES-CHIP	100	5%	1/16W
R12	1-218-969-11	RES-CHIP	22K	5%	1/16W
R13	1-218-969-11	RES-CHIP	22K	5%	1/16W
R14	1-218-929-11	RES-CHIP	10	5%	1/16W
R15	1-218-929-11	RES-CHIP	10	5%	1/16W
R16	1-218-953-11	RES-CHIP	1K	5%	1/16W
R17	1-218-990-81	SHORT CHIP	0		
R18	1-218-941-81	RES-CHIP	100	5%	1/16W
R19	1-218-935-11	RES-CHIP	33	5%	1/16W
R20	1-162-961-11	CERAMIC CHIP	330PF	10%	50V
R21	1-218-941-81	RES-CHIP	100	5%	1/16W
R22	1-218-977-11	RES-CHIP	100K	5%	1/16W
R23	1-218-977-11	RES-CHIP	100K	5%	1/16W
R24	1-218-977-11	RES-CHIP	100K	5%	1/16W
R25	1-218-977-11	RES-CHIP	100K	5%	1/16W
R26	1-218-977-11	RES-CHIP	100K	5%	1/16W
R27	1-218-977-11	RES-CHIP	100K	5%	1/16W
R28	1-218-945-11	RES-CHIP	220	5%	1/16W
R29	1-218-989-11	RES-CHIP	1M	5%	1/16W
R30	1-218-989-11	RES-CHIP	1M	5%	1/16W
R31	1-218-989-11	RES-CHIP	1M	5%	1/16W
R32	1-218-947-11	RES-CHIP	330	5%	1/16W
R33	1-218-990-81	SHORT CHIP	0		
R34	1-216-864-11	SHORT CHIP	0		
R35	1-162-961-11	CERAMIC CHIP	330PF	10%	50V
R36	1-218-947-11	RES-CHIP	330	5%	1/16W
R37	1-218-947-11	RES-CHIP	330	5%	1/16W
R38	1-218-941-81	RES-CHIP	100	5%	1/16W
R39	1-218-941-81	RES-CHIP	100	5%	1/16W
R40	1-218-941-81	RES-CHIP	100	5%	1/16W
R41	1-218-941-81	RES-CHIP	100	5%	1/16W
R42	1-218-977-11	RES-CHIP	100K	5%	1/16W
R43	1-218-961-11	RES-CHIP	4.7K	5%	1/16W
R44	1-218-977-11	RES-CHIP	100K	5%	1/16W
R52	1-218-962-11	RES-CHIP	5.6K	5%	1/16W
R53	1-218-979-11	RES-CHIP	150K	5%	1/16W
R54	1-218-990-81	SHORT CHIP	0		
R55	1-218-973-11	RES-CHIP	47K	5%	1/16W
R57	1-218-967-11	RES-CHIP	15K	5%	1/16W
R58	1-218-969-11	RES-CHIP	22K	5%	1/16W
R60	1-218-941-81	RES-CHIP	100	5%	1/16W
R61	1-218-941-81	RES-CHIP	100	5%	1/16W
R62	1-218-941-81	RES-CHIP	100	5%	1/16W
R63	1-218-977-11	RES-CHIP	100K	5%	1/16W
R64	1-218-977-11	RES-CHIP	100K	5%	1/16W
R65	1-218-977-11	RES-CHIP	100K	5%	1/16W
R67	1-218-941-81	RES-CHIP	100	5%	1/16W
R68	1-218-941-81	RES-CHIP	100	5%	1/16W
R69	1-218-941-81	RES-CHIP	100	5%	1/16W
R70	1-218-965-11	RES-CHIP	10K	5%	1/16W
R71	1-218-973-11	RES-CHIP	47K	5%	1/16W
R72	1-218-973-11	RES-CHIP	47K	5%	1/16W
R73	1-218-973-11	RES-CHIP	47K	5%	1/16W
R74	1-218-941-81	RES-CHIP	100	5%	1/16W
R75	1-218-941-81	RES-CHIP	100	5%	1/16W
R77	1-218-973-11	RES-CHIP	47K	5%	1/16W
R78	1-218-941-81	RES-CHIP	100	5%	1/16W
R79	1-218-941-81	RES-CHIP	100	5%	1/16W
R80	1-218-941-81	RES-CHIP	100	5%	1/16W
R81	1-218-941-81	RES-CHIP	100	5%	1/16W
R82	1-218-941-81	RES-CHIP	100	5%	1/16W
R83	1-218-977-11	RES-CHIP	100K	5%	1/16W
R84	1-218-941-81	RES-CHIP	100	5%	1/16W
R85	1-218-977-11	RES-CHIP	100K	5%	1/16W
R86	1-218-941-81	RES-CHIP	100	5%	1/16W
R87	1-218-977-11	RES-CHIP	100K	5%	1/16W
R96	1-218-941-81	RES-CHIP	100	5%	1/16W
R97	1-220-200-81	RES-CHIP	30K	5%	1/16W
R98	1-218-971-11	RES-CHIP	33K	5%	1/16W
R132	1-218-969-11	RES-CHIP	22K	5%	1/16W
R133	1-218-953-11	RES-CHIP	1K	5%	1/16W
R141	1-216-864-11	SHORT CHIP	0		
R144	1-216-864-11	SHORT CHIP	0		
R147	1-216-864-11	SHORT CHIP	0		
		< SWITCH >			
SW1	1-529-565-61	SWITCH, PUSH (1 KEY) (DOWN)			
		< VIBRATOR >			
X1	1-813-678-11	OSCILLATOR, CERAMIC (CHIP TYPE) (12MHz)			
X2	1-795-561-21	VIBRATOR, CERAMIC (16.9344MHz)			

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MISCELLANEOUS
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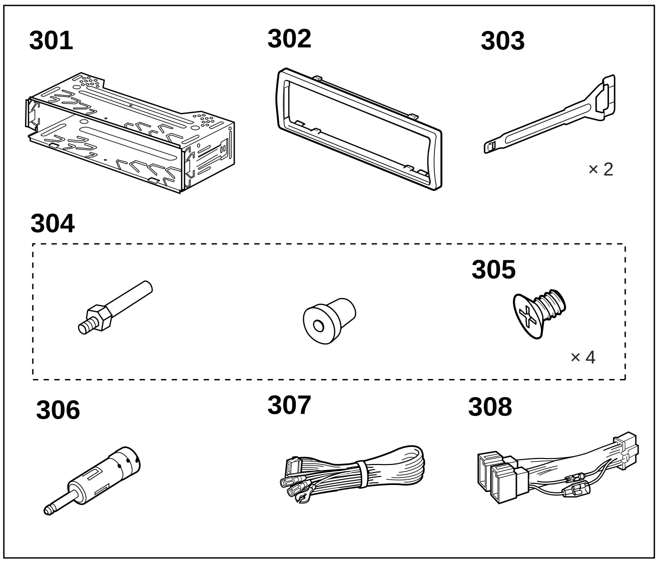
Ref. No.	Part No.	Description	Remark
8	1-776-206-21	CORD (WITH CONNECTOR) (POWER)	(EXCEPT AEP,UK)
8	1-776-527-61	CORD (WITH CONNECTOR) (ISO) (POWER)	(AEP,UK)
57	1-780-199-11	CONDUCTIVE BOARD, CONNECTION	
⚠153	8-820-207-12	OPTICAL PICK-UP (KSS1000E/K1RP)	
154	A-1088-615-A	CHASSIS (OP) SUB ASSY (including M901)	
LCD901	1-805-919-11	DISPLAY PANEL, LIQUID CRYSTAL	(AEP,UK,E,MX)
LCD901	1-805-920-11	DISPLAY PANEL, LIQUID CRYSTAL (US,CND)	
M902	A-1088-614-A	MOTOR ASSY, SL (SLED)	
M903	A-1088-622-A	MOTOR ASSY, LE (LOADING)	
RE901	1-478-474-12	ENCODER, ROTARY (PUSH SELECT/VOLUME)	
SW4	1-786-339-11	SWITCH (M) (LIMIT)	

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Ref. No.	Part No.	Description	Remark
		ACCESSORIES ************	
	1-479-077-12	REMOTE COMMANDER (RM-X151) (GT20W:US/GT200:US,CND/GT250S)	
	2-548-729-01	LID, BATTERY CASE (for RM-X151) (GT20W:US/GT200:US,CND/GT250S)	
	2-651-185-11	MANUAL, INSTRUCTION (ENGLISH,FRENCH) (GT20W:CND/GT200:US,CND)	
	2-651-185-21	MANUAL, INSTRUCTION (ENGLISH,GERMAN, FRENCH,ITALIAN,DUTCH) (GT200:AEP,UK/GT200S)	
	2-651-185-31	MANUAL, INSTRUCTION (ENGLISH,RUSSIAN) (GT200E)	
	2-651-185-41	MANUAL, INSTRUCTION (ENGLISH,SPANISH, SIMPLIFIED CHINESE) (GT250S)	
	2-651-185-51	MANUAL, INSTRUCTION (ENGLISH,SPANISH) (GT20W:US)	
	2-651-186-11	MANUAL, INSTRUCTION, INSTALL (ENGLISH, FRENCH) (GT20W:CND/GT200:US,CND)	
	2-651-186-21	MANUAL, INSTRUCTION, INSTALL (ENGLISH, GERMAN,FRENCH,ITALIAN,DUTCH) (GT200:AEP,UK/GT200S)	
	2-651-186-31	MANUAL, INSTRUCTION, INSTALL (ENGLISH, RUSSIAN) (GT200E)	
	2-651-186-41	MANUAL, INSTRUCTION, INSTALL (ENGLISH, SPANISH,SIMPLIFIED CHINESE) (GT250S)	
	2-651-186-51	MANUAL, INSTRUCTION, INSTALL (ENGLISH, SPANISH) (GT20W:US)	
	X-2024-133-3	CASE ASSY (for FRONT PANEL) (EXCEPT US)	

****

Ref. No.	Part No.	Description	Remark
		PARTS FOR INSTALLATION AND CONNECTIONS **	
301	X-3382-647-1	FRAME ASSY, FITTING	
302	2-187-743-02	COLLAR	
303	3-246-011-01	KEY (FRAME)	
304	A-1082-993-A	SCREW ASSY (BS4), FITTING (GT200E/GT250S)	
304	X-3366-972-2	SCREW ASSY (EXP), FITTING (GT200:AEP,UK/GT200S)	
305	3-259-776-01	SCREW (+K 5X8 TP) (GT20W/GT200:US,CND/GT200E/GT250S)	
306	1-465-459-41	ADAPTOR, ANTENNA (AEP,UK)	
307	1-776-206-21	CORD (WITH CONNECTOR) (POWER) (EXCEPT AEP,UK)	
308	1-776-527-61	CORD (WITH CONNECTOR) (ISO) (POWER) (AEP,UK)	



CDX-GT20W/GT200/GT200E/GT200S/GT250S

SONY®

SERVICE MANUAL

Ver. 1.2 2006. 03

US Model
Canadian Model
CDX-GT20W/GT200
AEP Model
UK Model
CDX-GT200/GT200E/GT200S
E Model
Chinese Model
CDX-GT250S

SUPPLEMENT-1

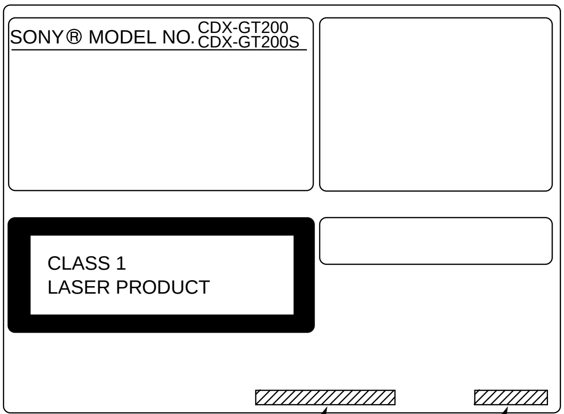
File this supplement with the service manual.

Subject : Production country change.

The CDX-GT200 (AEP, UK), CDX-GT200S (AEP, UK) and CDX-GT250S (E) models has been changed in the production country to Thailand from Chinese.
This service manual, SUPPLEMENT-1 only contains the change.
When servicing and inspecting, check the Model Number Label to see if the model is made in Thailand or Chinese.

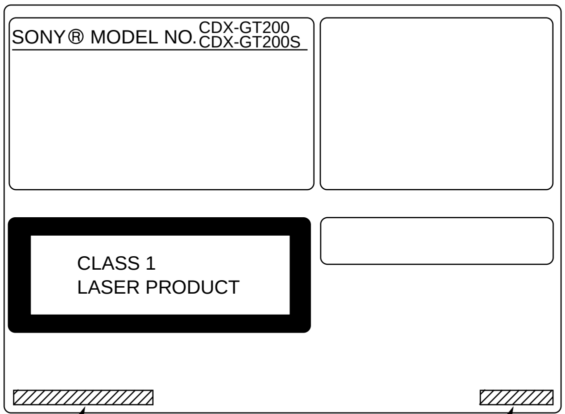
DISCRIMINATION

CDX-GT200/GT200S (China production model)



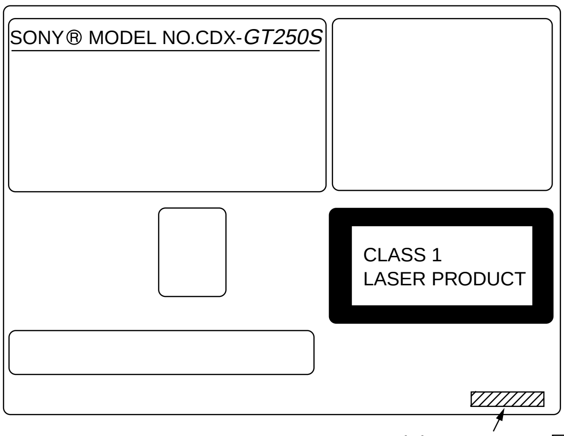
MADE IN CHINA
CDX-GT200(AEP,UK):2-645-598-0□
CDX-GT200S(AEP,UK):2-654-026-0□

CDX-GT200/GT200S (Thailand production model)



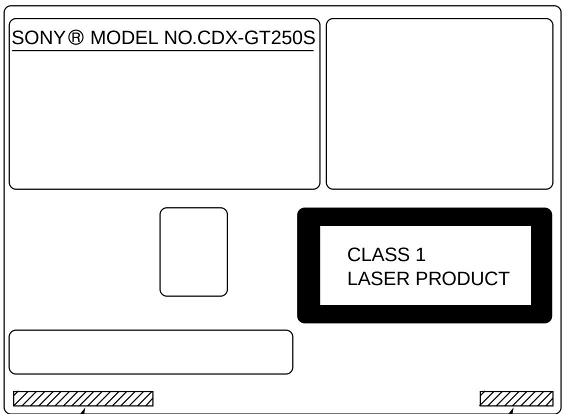
MADE IN THAILAND
CDX-GT200(AEP,UK):2-662-016-0□
CDX-GT200S(AEP,UK):2-662-015-0□

CDX-GT250S (China production model)



CDX-GT250S(E):2-645-595-0□
2-654-609-0□

CDX-GT250S(Thailand production model)



MADE IN THAILAND *CDX-GT250S(E):2-668-452-0□*

9-879-862-81

TABLE OF CONTENTS

1. DIAGRAMS

SECTION 1
DIAGRAMS

• NOTE FOR PRINTED WIRING BOARDS AND SCHEMATIC DIAGRAMS

THIS NOTE IS COMMON FOR PRINTED WIRING BOARDS AND SCHEMATIC DIAGRAMS.
(In addition to this, the necessary note is printed in each block.)

For schematic diagrams.

Note:

- All capacitors are in µF unless otherwise noted. (p: pF) 50 WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and 1/4 W or less unless otherwise specified.
- △ : internal component.
- ▭ : panel designation.

Note: The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	**Note:** Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une piéce portant le numéro spécifié.

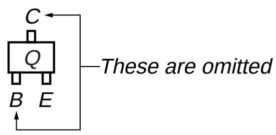
- ▬▬ : B+ Line.
- ▬ ▬ ▬ : B– Line.
- ▭ : adjustment for repair.
- Voltages and waveforms are dc with respect to ground under no-signal (detuned) conditions.
- CD mechanism (1/2) and (2/2) sections
  no mark : CD PLAY
- Main (1/3), (2/3), (3/3) and Key sections
  no mark : FM
  ( ) : AM/MW/LW
  < > : CD PLAY
  ∗ : Impossible to measure
- Voltages are taken with a VOM (Input impedance 10 MΩ). Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken with a oscilloscope. Voltage variations may be noted due to normal production tolerances.
- Circled numbers refer to waveforms.
- Signal path.
  ⇨ : CD PLAY
  ⇨ : FM
  ➡ : AM/MW/LW
  ⇨ : AUX

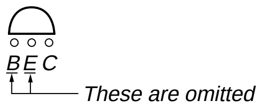
For printed wiring boards.

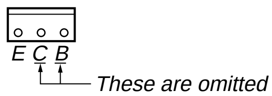
Note:

- o——— : parts extracted from the component side.
- ——— : parts extracted from the conductor side.
- ○ : Through hole.
- ▬ : Pattern from the side which enables seeing.
(The other layers' patterns are not indicated.)

Caution:	
Pattern face side: (Side B)	Parts on the pattern face side seen from the pattern face are indicated.
Parts face side: (Side A)	Parts on the parts face side seen from the parts face are indicated.



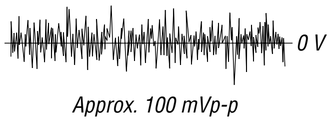




• WAVEFORMS

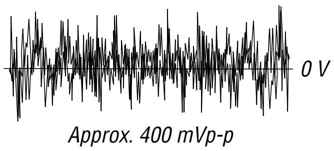
— SERVO BOARD — (CD PLAY)

① IC2 ⑤ (FEI)



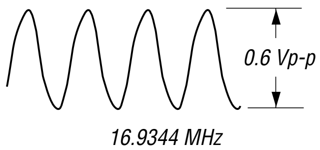
50 mV/DIV, 5 msec/DIV

② IC2 ⑥ (TEI)



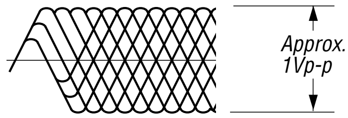
200 mV/DIV, 5 msec/DIV

③ IC2 ㉓ (XI)



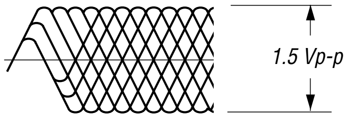
0.2 V/DIV, 0.2 μsec/DIV

④ IC2 ㉛81 (RFI)



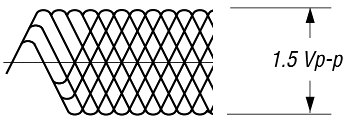
0.5 V/DIV, 0.5 μsec/DIV

⑤ IC2 ⑨④ (FNI2), ⑨⑤ (FNI1)



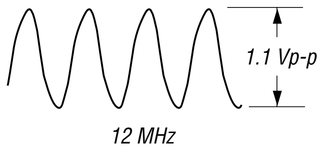
0.5 V/DIV, 0.5 μsec/DIV

⑥ IC2 ⑨⑥ (FPI2), ⑨⑦ (FPI1)



0.5 V/DIV, 0.5 μsec/DIV

⑦ IC3 ⑧① (X1)



0.5 V/DIV, 0.2 μsec/DIV

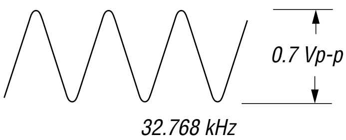
— MAIN BOARD —

① IC51 ⑨ (XTI)



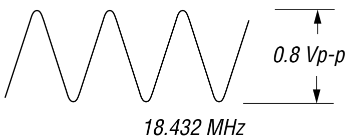
0.5 V/DIV, 0.1 μsec/DIV

② IC501 ⑧⓪ (XIN)



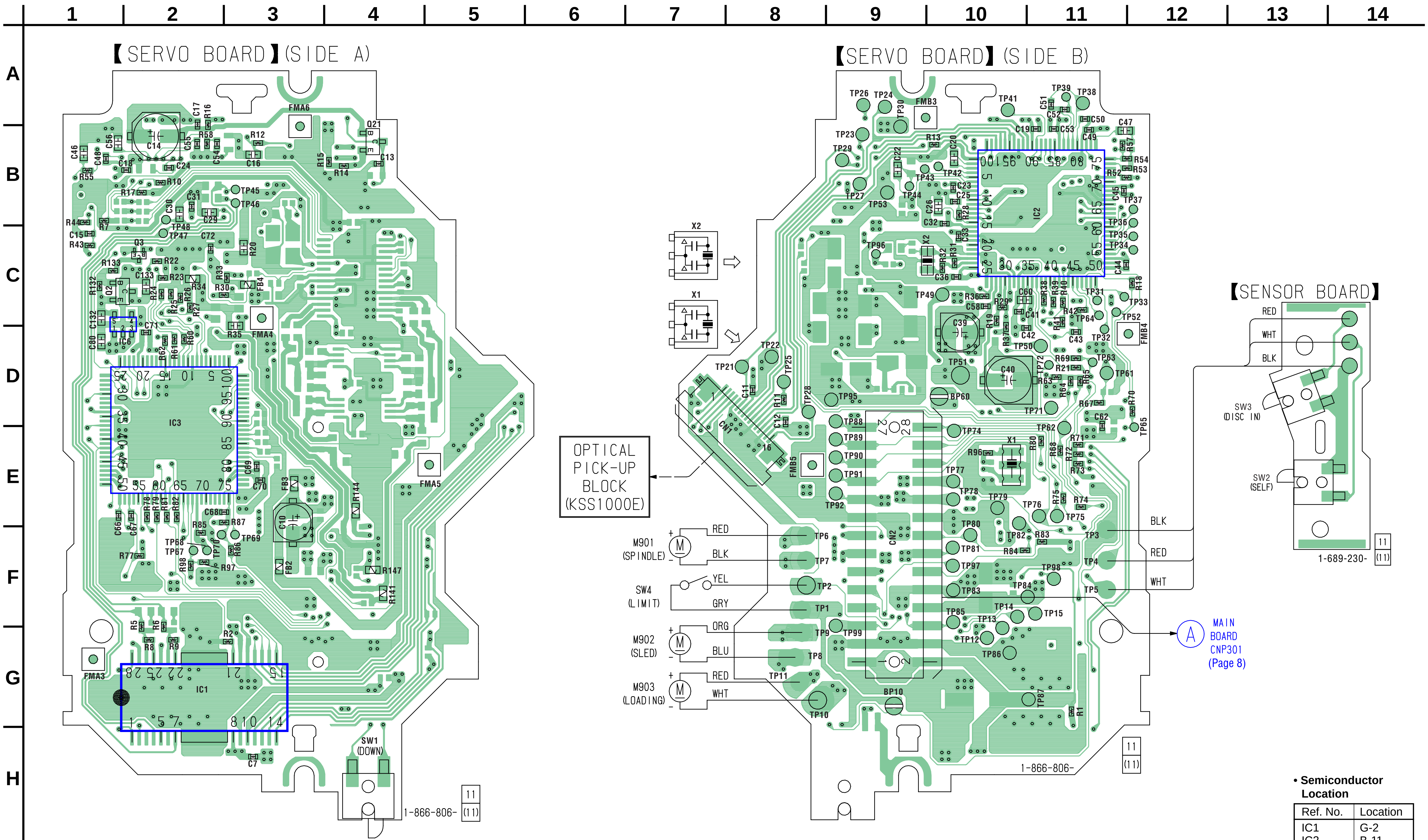
0.2 V/DIV, 0.1 μsec/DIV

③ IC501 ⑧② (OSC IN)



0.5 V/DIV, 0.1 μsec/DIV

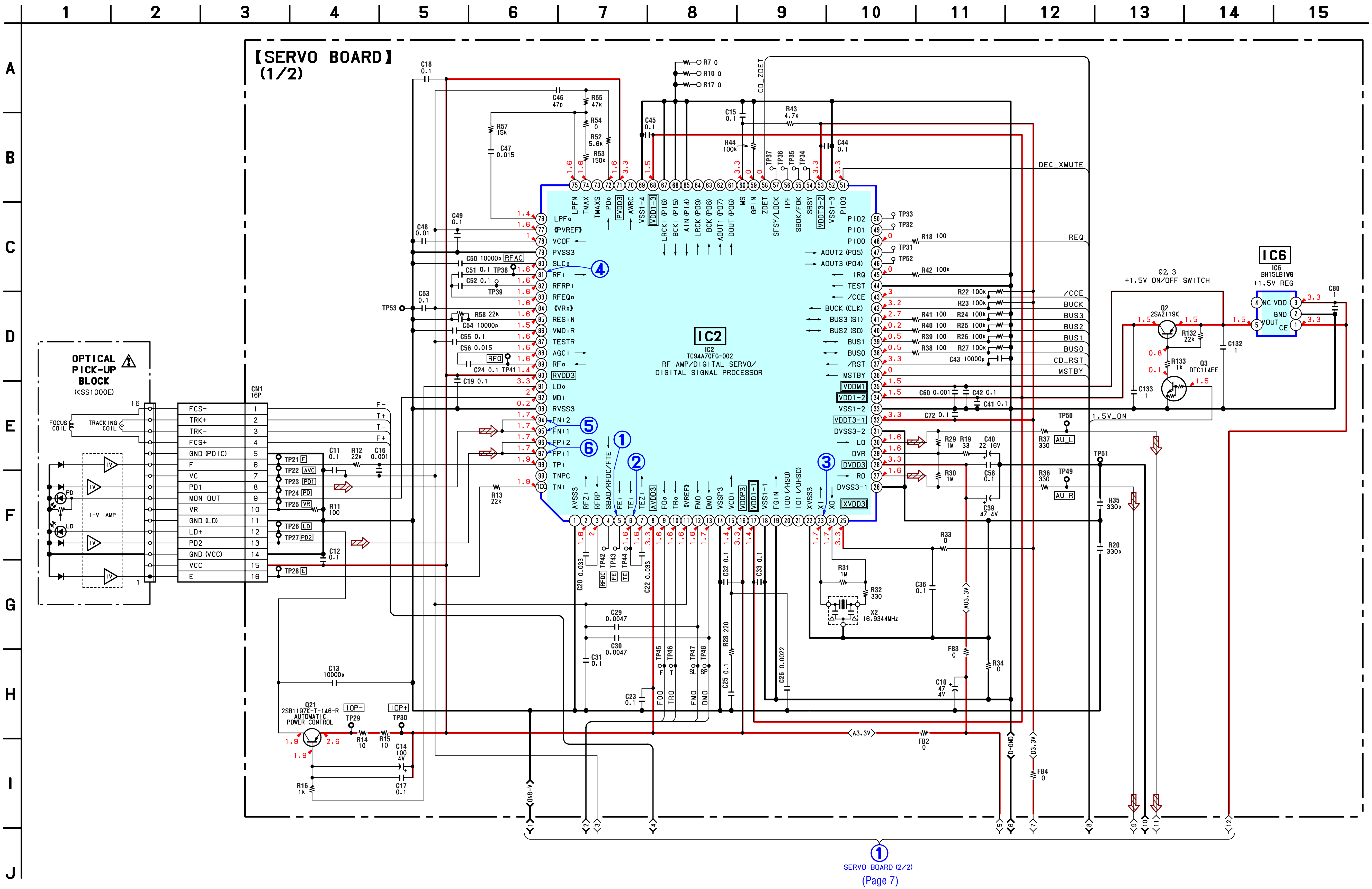
1-1. PRINTED WIRING BOARDS — CD MECHANISM SECTION — : Uses unleaded solder.



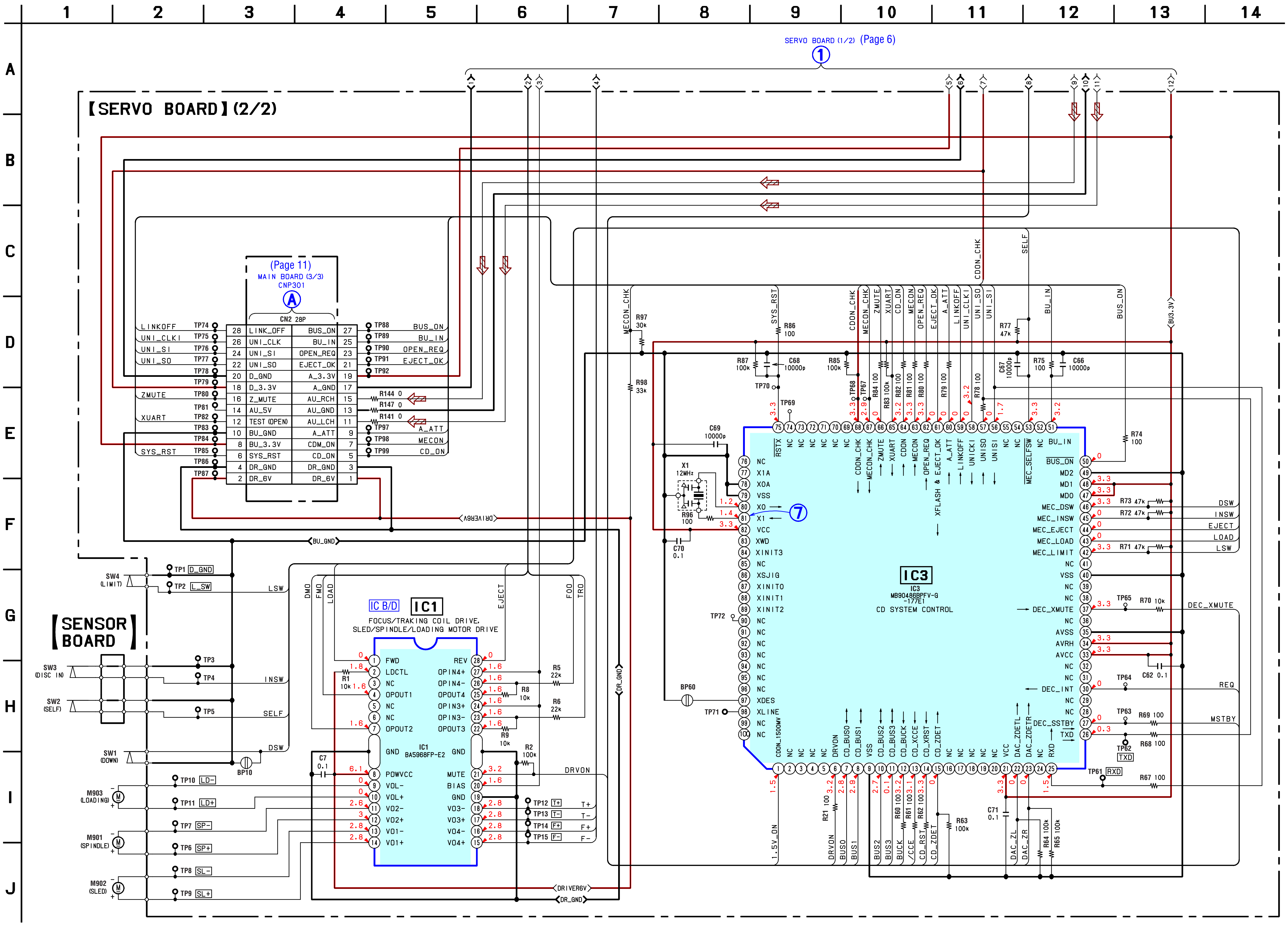
• **Semiconductor Location**

Ref. No.	Location
IC1	G-2
IC2	B-11
IC3	D-2
IC6	D-2
Q2	C-1
Q3	C-2
Q21	B-4

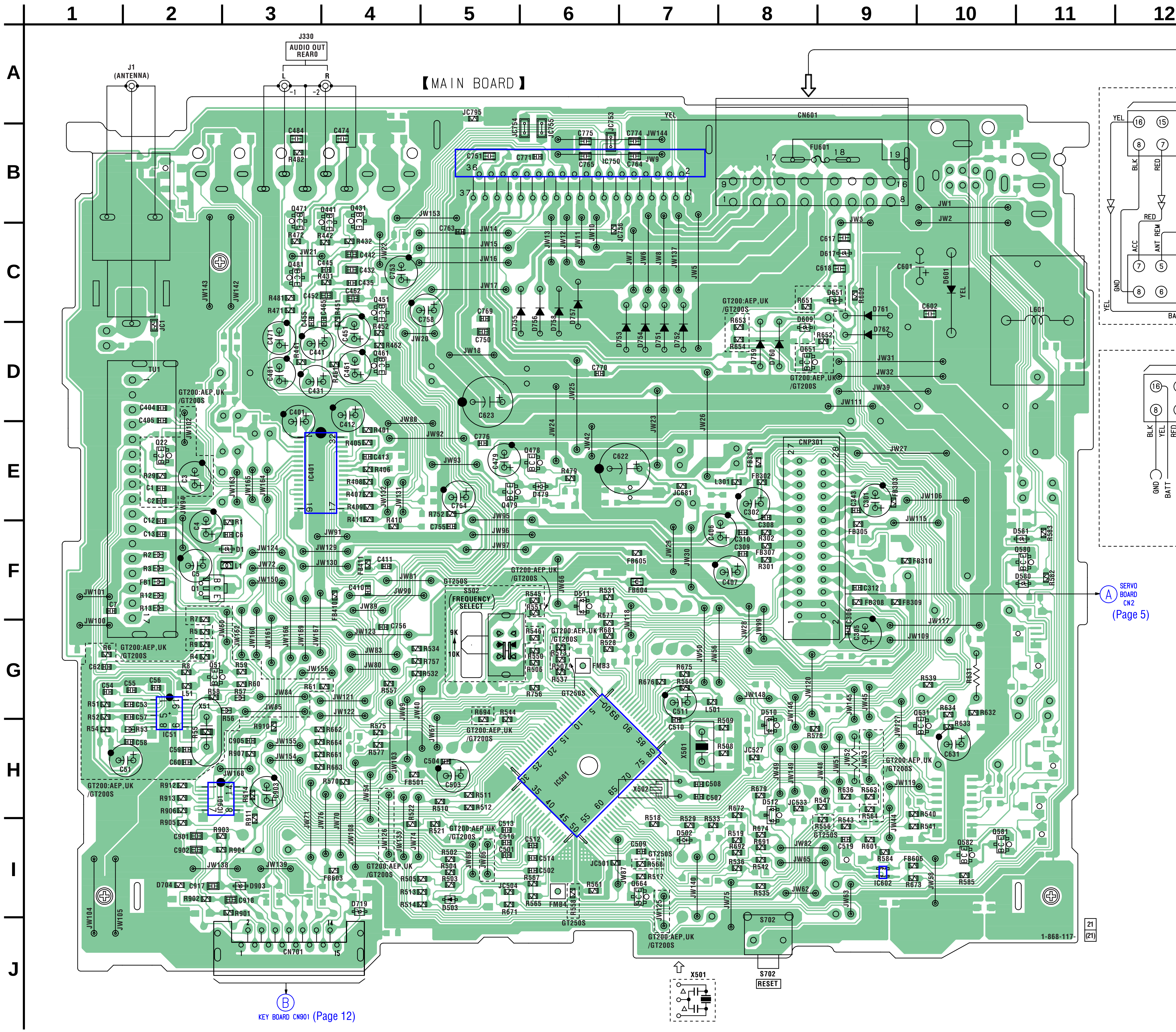
1-2. SCHEMATIC DIAGRAM — CD MECHANISM SECTION (1/2) — • Refer to page 4 for Waveforms.

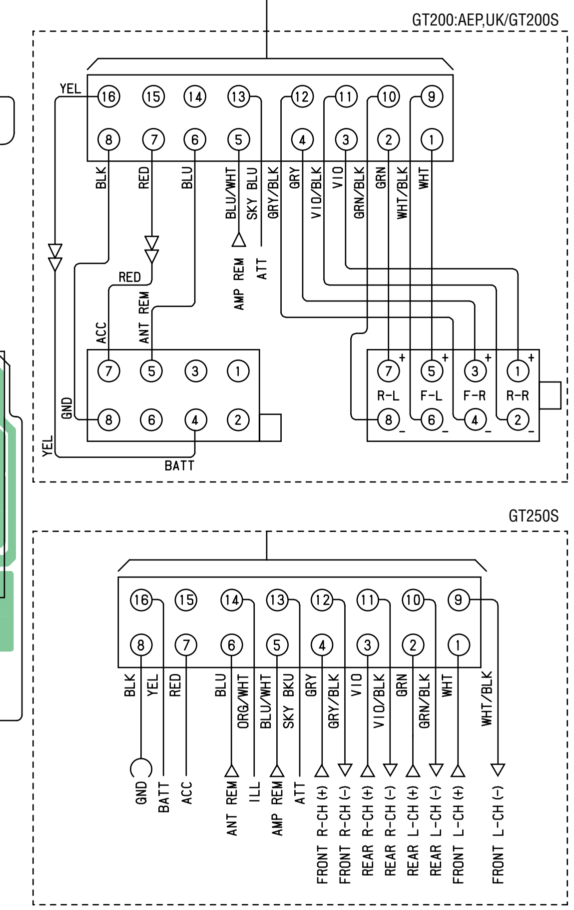


1-3. SCHEMATIC DIAGRAM — CD MECHANISM SECTION (2/2) — • Refer to page 4 for Waveforms. • Refer to page 14 for IC Block Diagrams.



1-4. PRINTED WIRING BOARD — MAIN SECTION — : Uses unleaded solder.



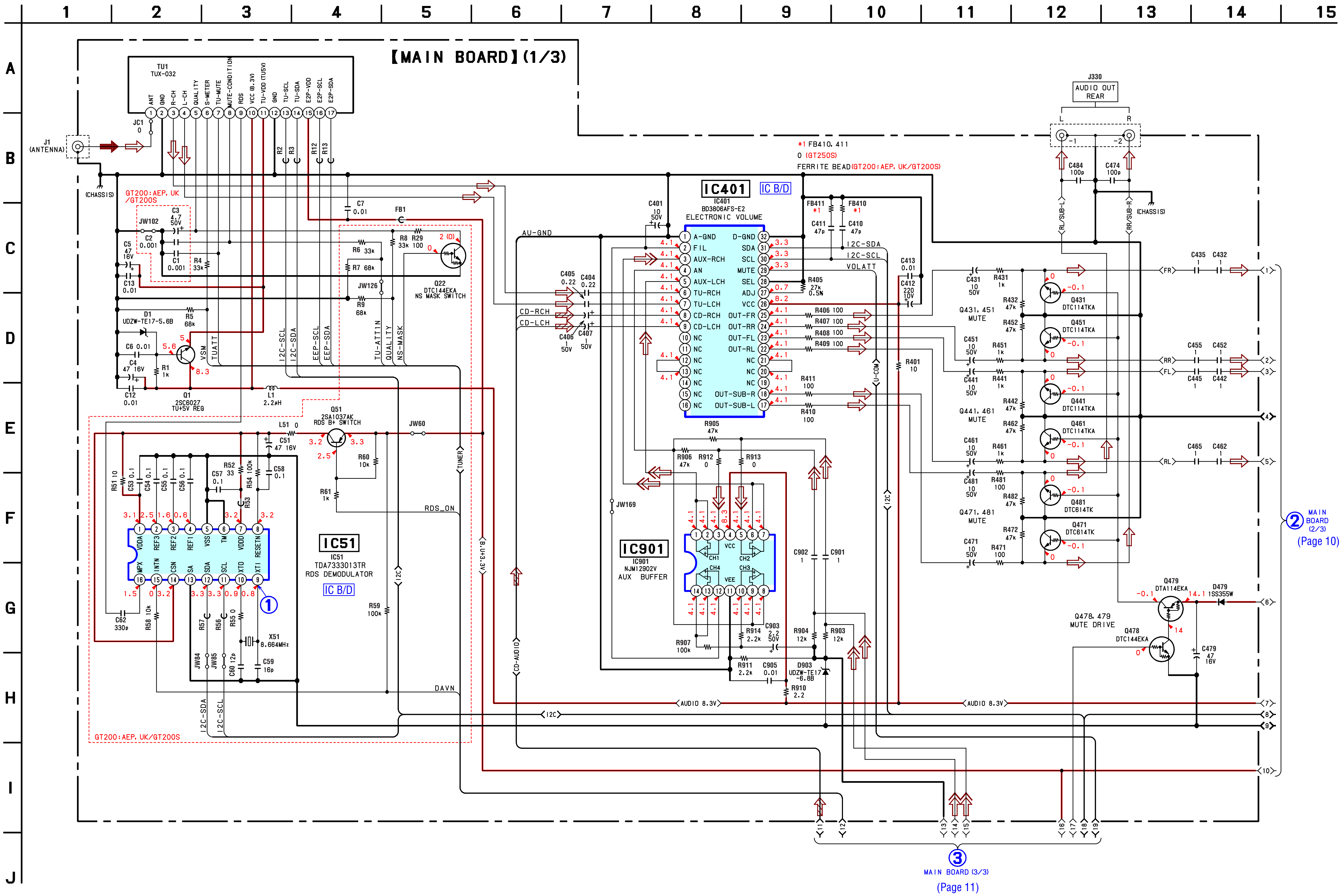


• Semiconductor Location

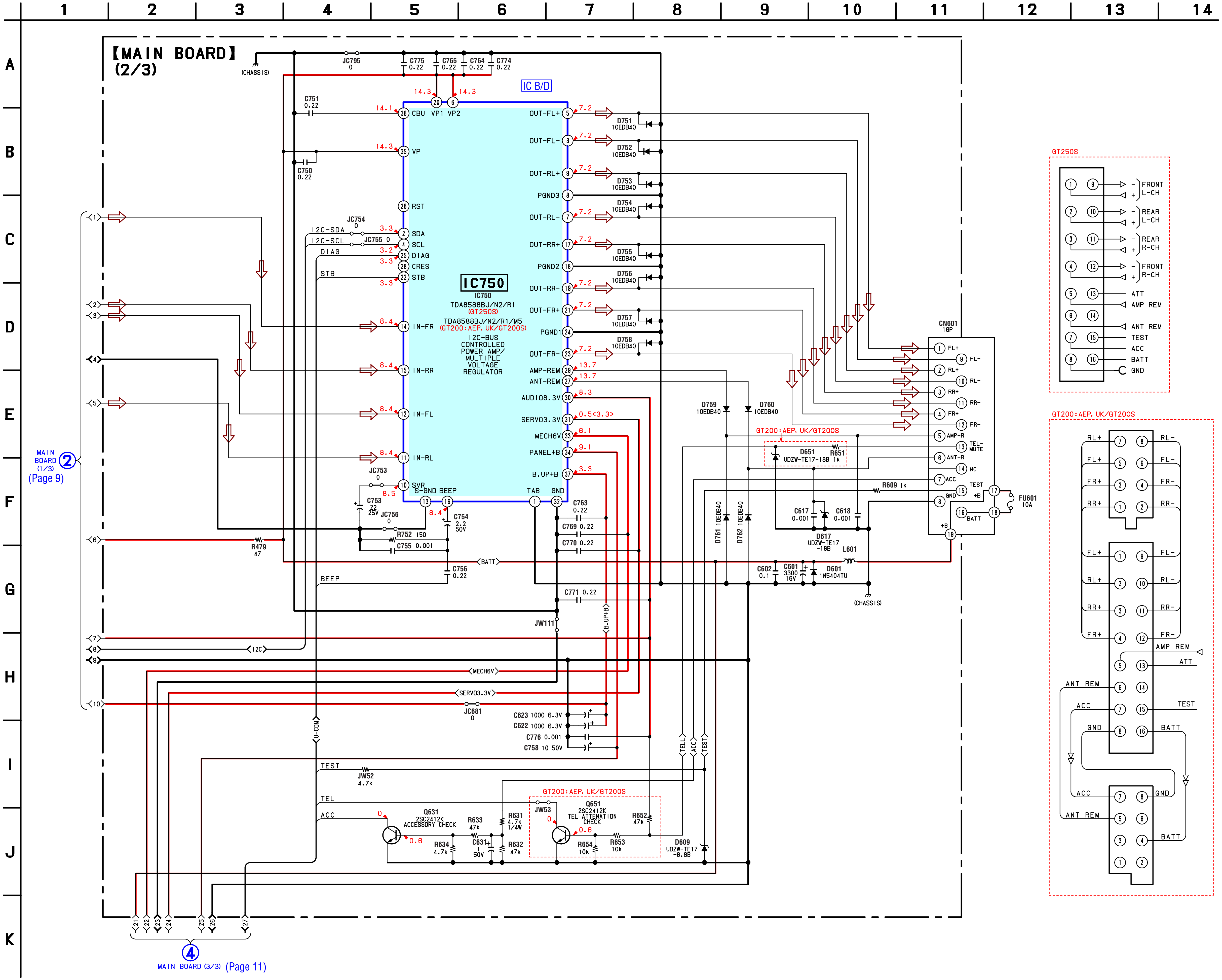
Ref. No.	Location	Ref. No.	Location
D1	F-3	D903	I-3
D479	E-6		
D502	I-7	IC51	H-2
D503	I-5	IC401	E-3
D510	H-8	IC501	H-6
D511	F-6	IC602	I-9
D512	H-8	IC750	B-6
D580	F-11	IC901	H-2
D581	F-11		
D601	C-10	Q1	F-2
D609	D-8	Q22	E-2
D617	C-9	Q51	G-2
D651	C-9	Q431	B-4
D719	I-4	Q441	B-4
D751	D-7	Q451	C-4
D752	D-7	Q461	D-4
D753	D-7	Q471	B-3
D754	D-7	Q478	E-6
D755	C-5	Q479	E-5
D756	C-6	Q481	C-3
D757	C-6	Q580	F-11
D758	C-6	Q581	I-10
D759	D-8	Q582	I-10
D760	D-8	Q631	H-10
D761	C-9	Q651	D-8
D762	D-9	Q664	I-7

1-5. SCHEMATIC DIAGRAM — MAIN SECTION (1/3) —

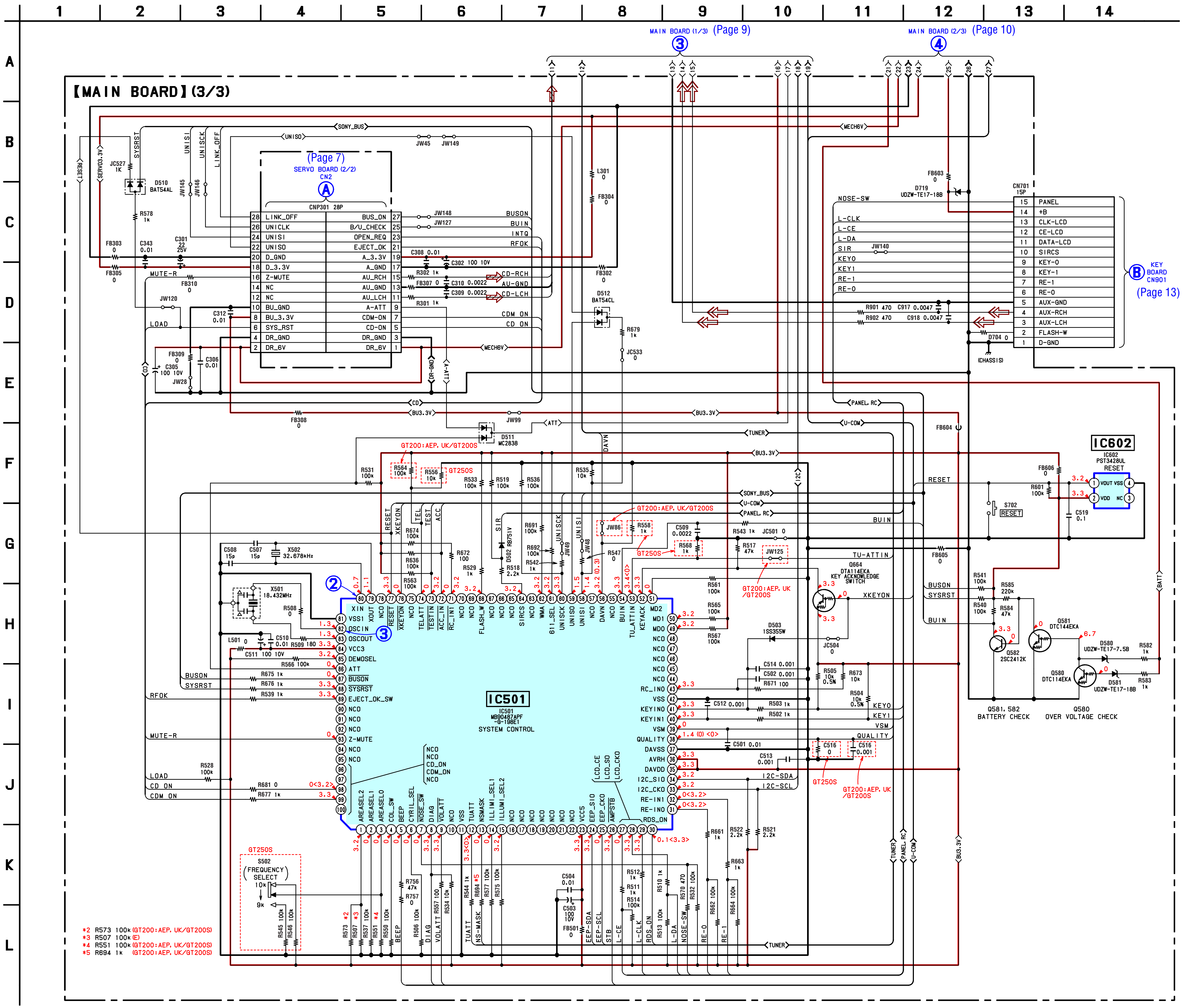
• Refer to page 4 for Waveforms.
• Refer to page 14 for IC Block Diagrams.



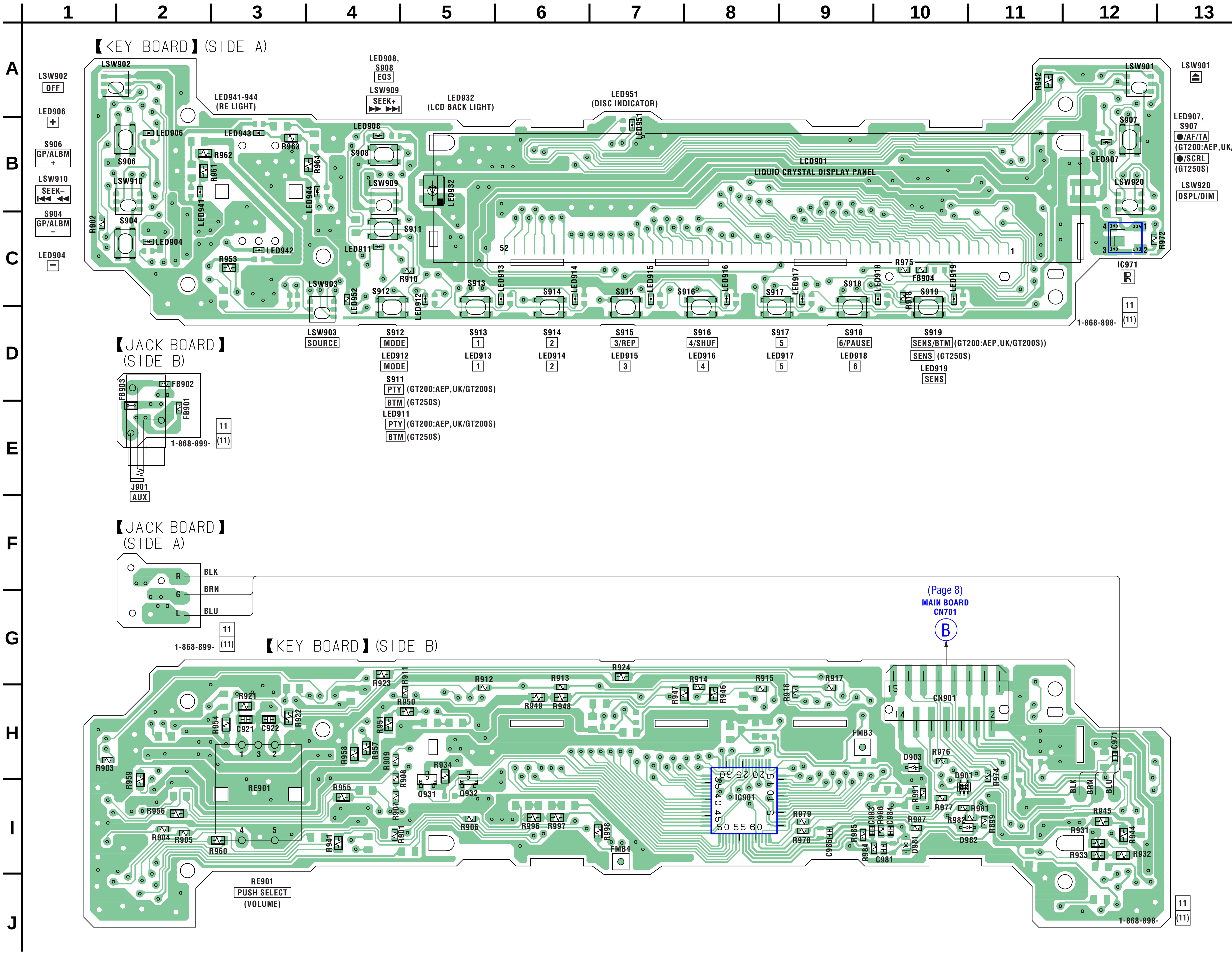
1-6. SCHEMATIC DIAGRAM — MAIN SECTION (2/3) — • Refer to page 15 for IC Block Diagrams.



1-7. SCHEMATIC DIAGRAM — MAIN SECTION (3/3) — • Refer to page 4 for Waveforms.



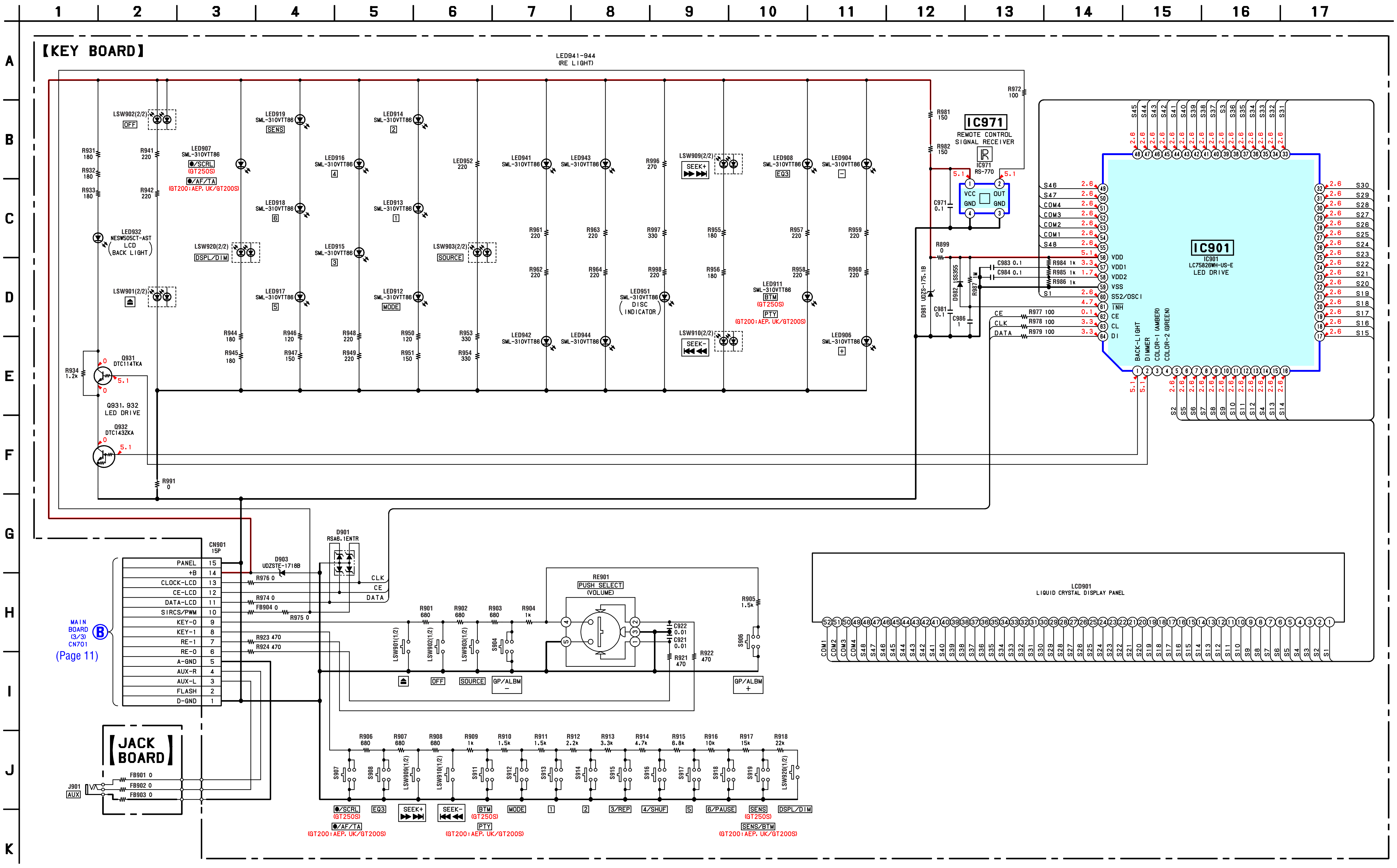
1-8. PRINTED WIRING BOARDS — KEY SECTION — : Uses unleaded solder.



• **Semiconductor Location**

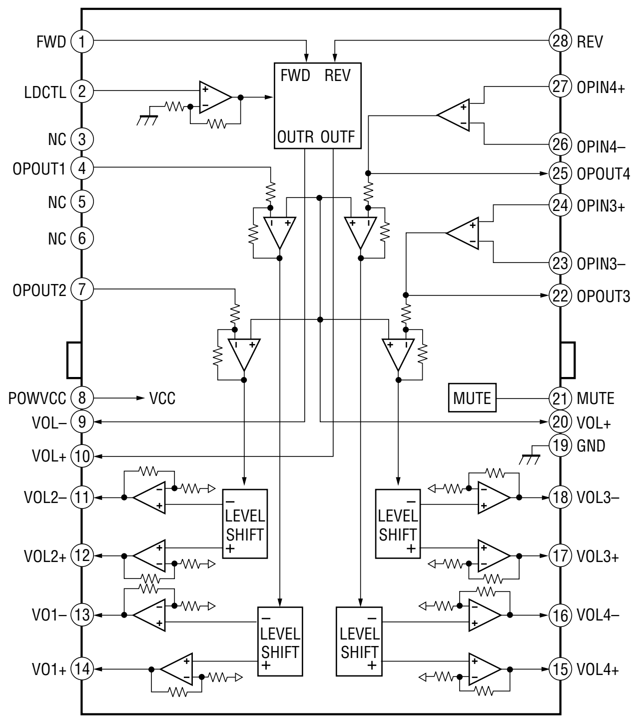
Ref. No.	Location
D901	I-10
D903	H-10
D981	I-10
D982	I-10
IC901	I-8
IC971	C-12
LED904	C-2
LED906	B-2
LED907	B-12
LED908	B-4
LED911	C-4
LED912	C-5
LED913	C-6
LED914	C-6
LED915	C-7
LED916	C-8
LED917	C-9
LED918	C-10
LED919	C-10
LED932	B-5
LED941	B-2
LED942	C-3
LED943	B-3
LED944	B-4
LED951	B-7
Q931	I-5
Q932	I-5

1-9. SCHEMATIC DIAGRAM — KEY SECTION —

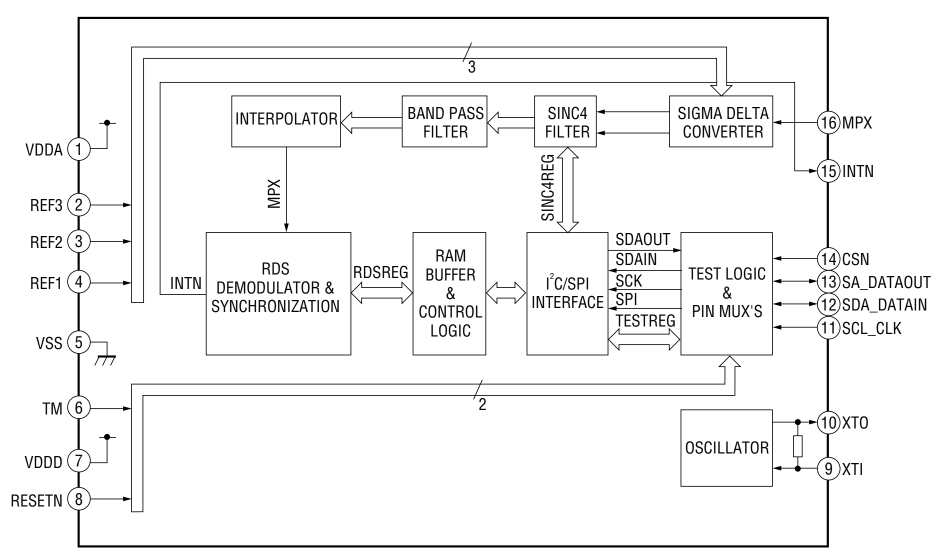


• **IC Block Diagrams**

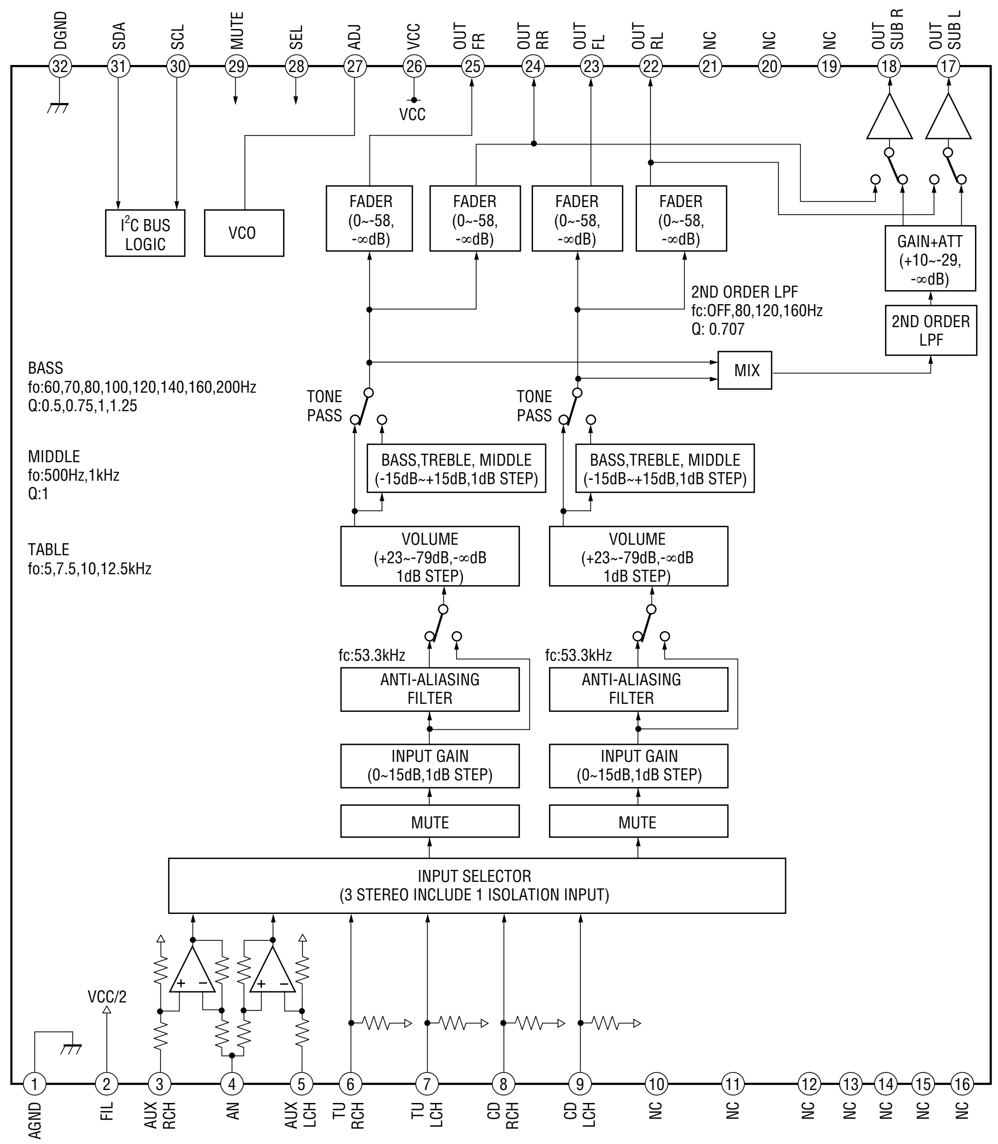
IC1 BA5968FP-E2 (SERVO Board (2/2))



IC51 TDA7333013TR (MAIN Board (1/3))

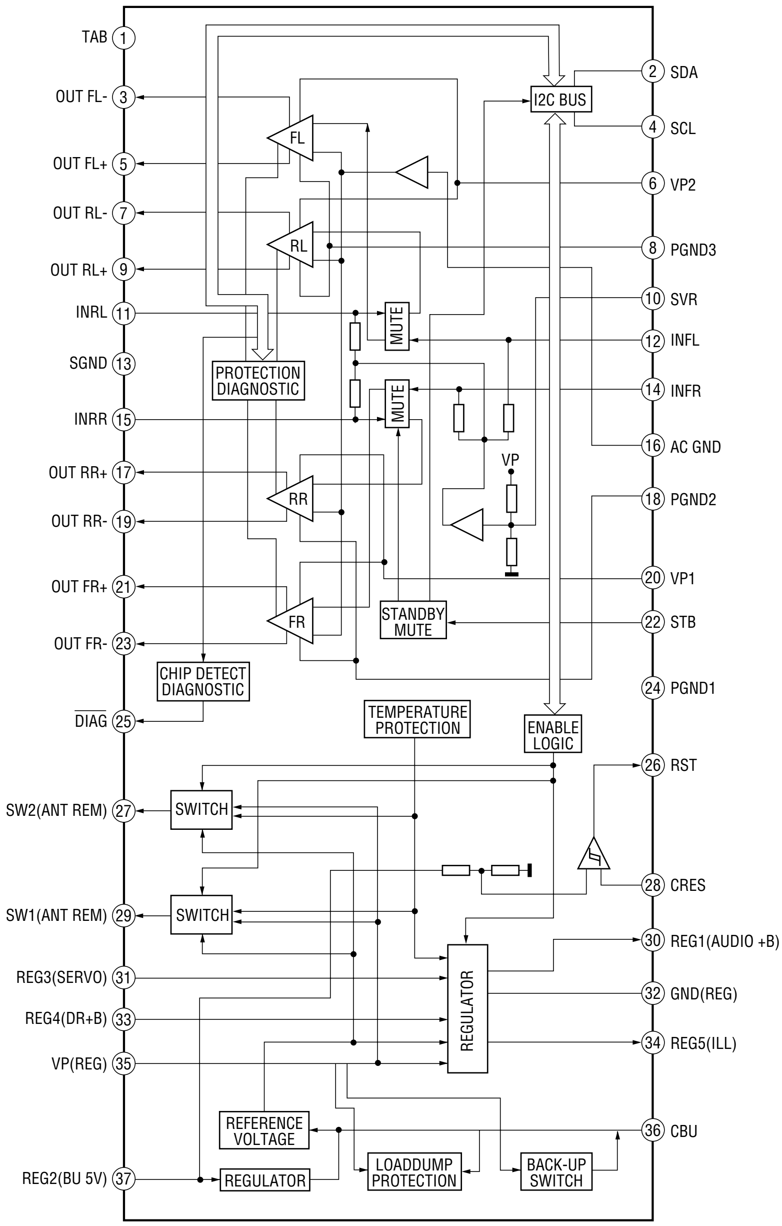


IC401 BD3806AFS-E2 (MAIN Board (1/3))



IC750 TDA8588BJ/N2/R1 (MAIN Board (2/3)) (GT250S)

IC750 TDA8588BJ/N2/R1/M5 (MAIN Board (2/3)) (GT200: AEP, UK/GT200S)

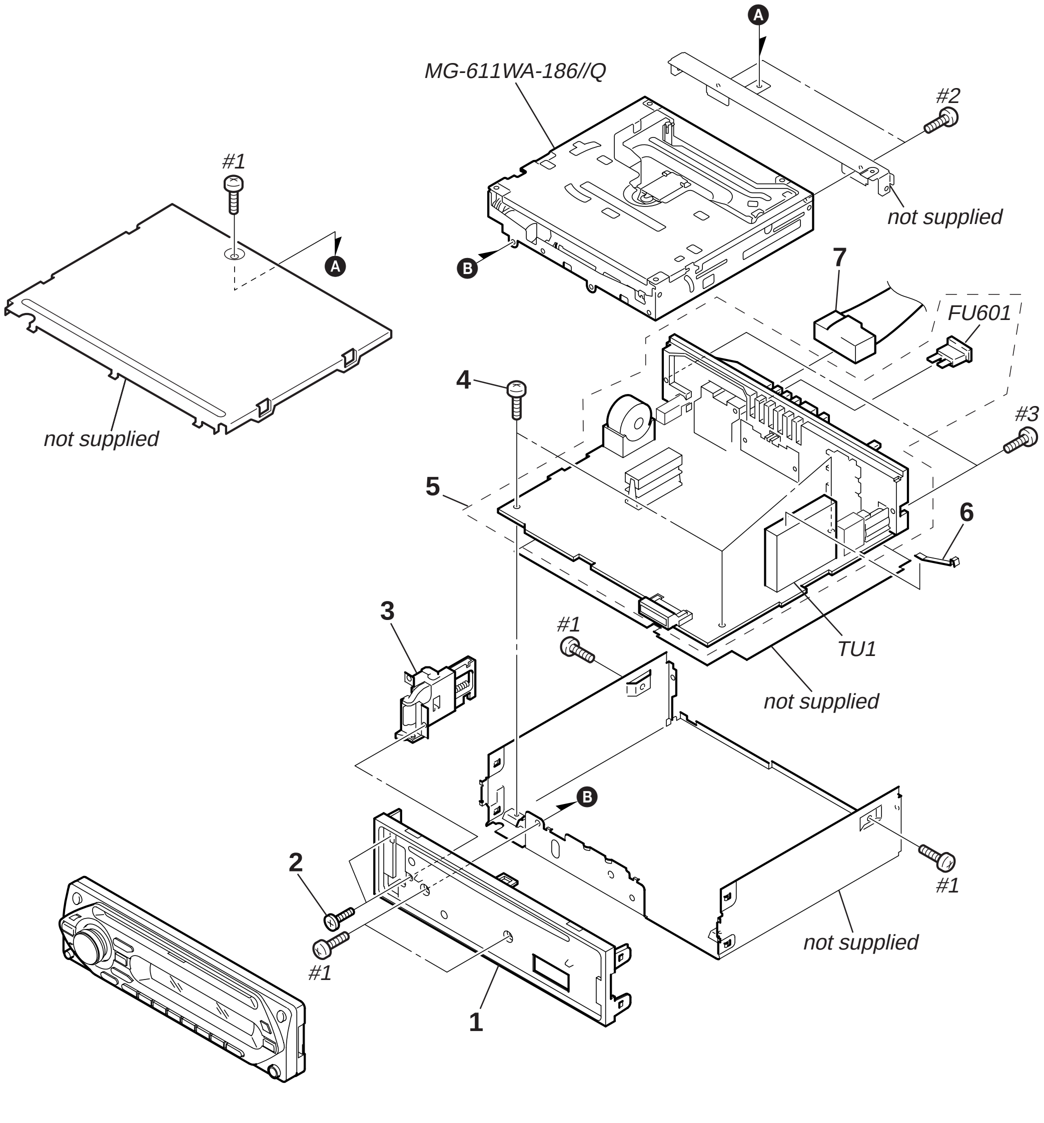


SECTION 2
EXPLODED VIEWS

NOTE:
- The mechanical parts with no reference number in the exploded views are not supplied.
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- -XX and -X mean standardized parts, so they may have some difference from the original one.
- Color Indication of Appearance Parts
  Example :
  KNOB, BALANCE (WHITE) ... (RED)
  ↑ Parts Color ↑ Cabinet's Color
- Accessories are given in the last of this parts list.

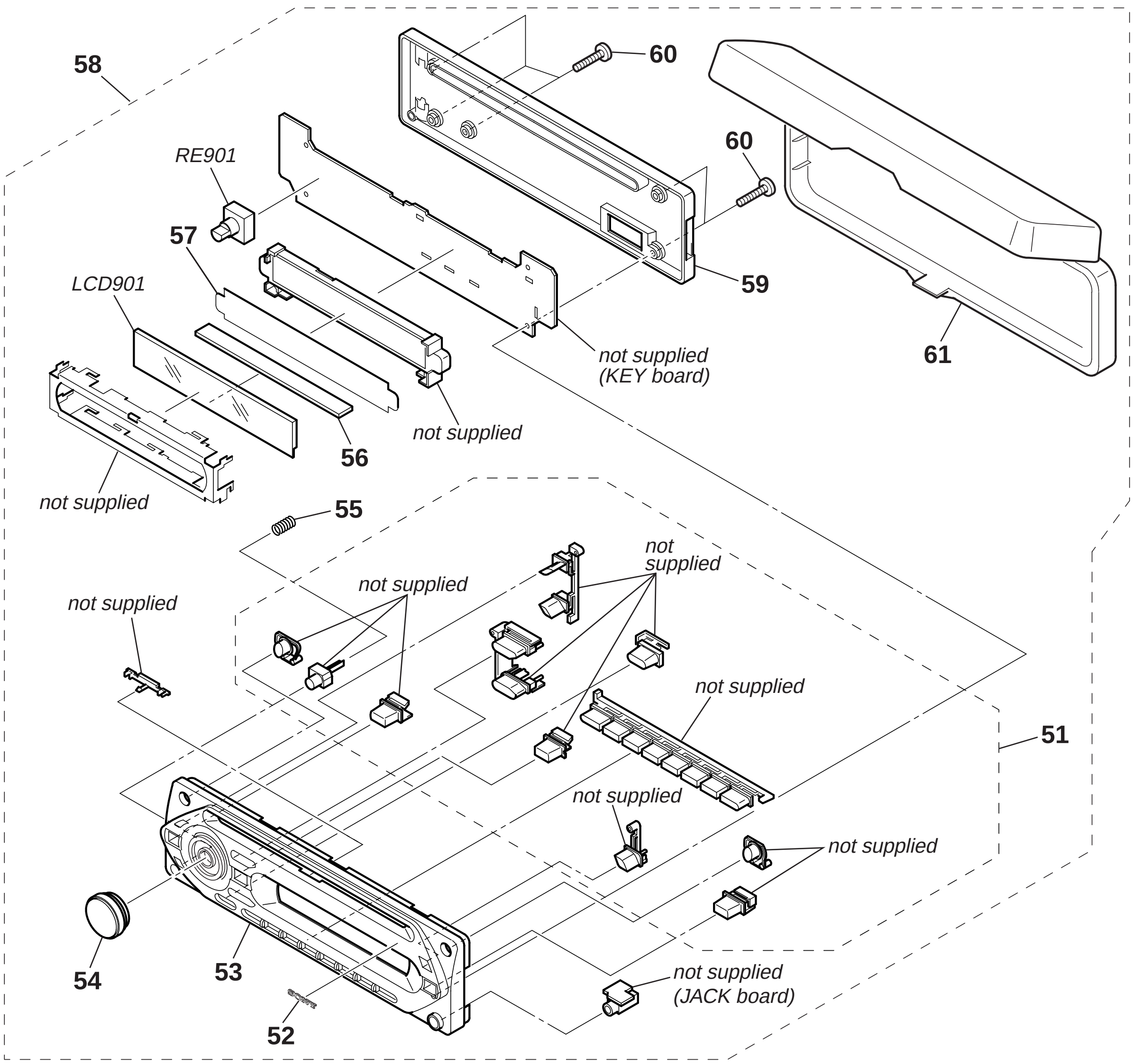
The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.
Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une piéce portant le numéro spécifié.

2-1. MAIN SECTION



Ref. No.	Part No.	Description	Remark
1	X-2059-813-1	PANEL ASSY, SUB	
2	3-042-244-11	SCREW (T)	
3	X-3383-739-1	LOCK ASSY (S)	
4	2-050-124-01	SCREW +BTT 2.6X5	
5	A-1156-888-A	MAIN BOARD, COMPLETE (GT200:AEP,UK/GT200S)	
5	A-1156-933-A	MAIN BOARD, COMPLETE (GT250S)	
6	2-021-848-01	SHEET (TU), GROUND	
7	1-776-206-21	CORD (WITH CONNECTOR) (POWER) (GT250S)	
7	1-776-527-61	CORD (WITH CONNECTOR) (ISO) (POWER) (GT200:AEP,UK/GT200S)	
FU601	1-532-877-11	FUSE (BLADE TYPE) (AUTO FUSE) 10A	
TU1	A-3220-961-B	TUNER UNIT (TUX-032)	
#1	7-685-792-09	SCREW +PTT 2.6X6 (S)	
#2	7-685-790-01	SCREW +PTT 2.6X4 (S)	
#3	7-685-793-09	SCREW +PTT 2.6X8 (S)	

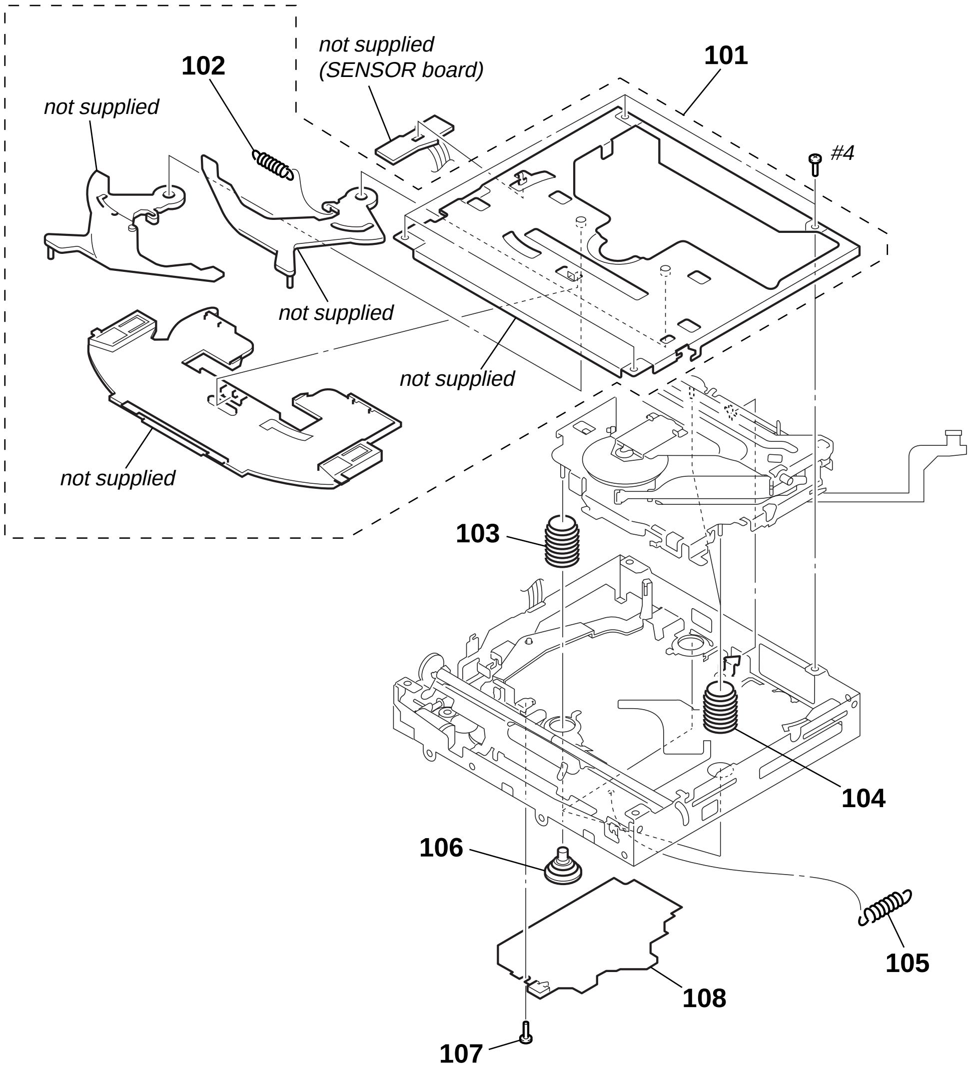
2-2. FRONT PANEL SECTION



Ref. No.	Part No.	Description	Remark
51	X-2103-312-1	BUTTON ASSY (S) (GT200:AEP,UK)	
51	X-2103-313-1	BUTTON ASSY (S) (GT200S)	
51	X-2103-314-1	BUTTON ASSY (S) (GT250S)	
52	3-251-320-01	EMBLEM (NO. 2.5), SONY	
53	X-2103-195-1	PANEL SUB ASSY, FRONT (GT200S)	
53	X-2103-294-1	PANEL SUB ASSY, FRONT (GT200:AEP,UK)	
53	X-2103-298-1	PANEL SUB ASSY, FRONT (GT250S)	
54	X-2103-316-1	KNOB (VOL) (SV) ASSY	
55	2-639-881-01	SPRING (RELEASE)	
56	1-780-199-11	CONDUCTIVE BOARD, CONNECTION	

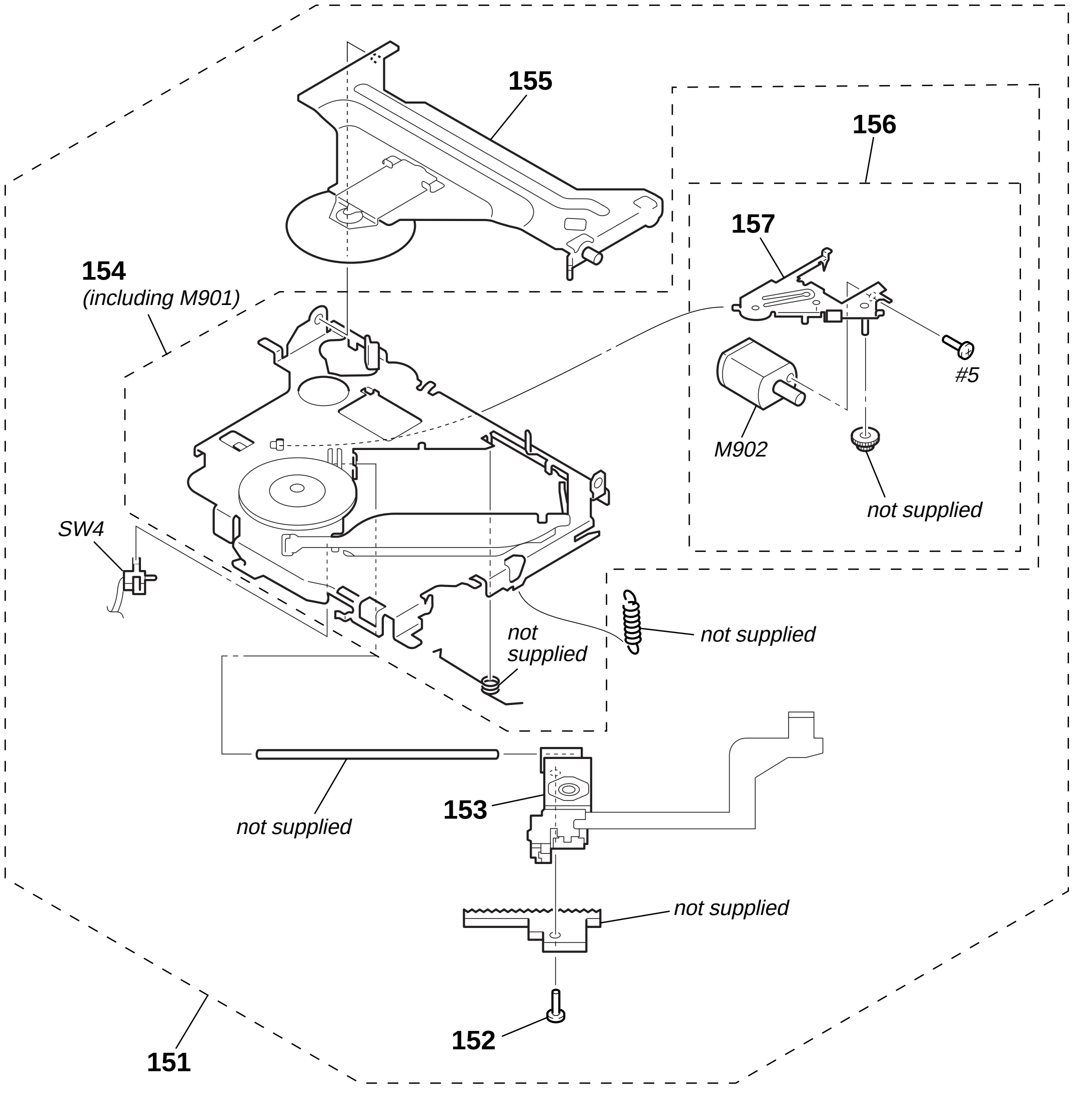
Ref. No.	Part No.	Description	Remark
57	2-661-454-01	ILLUMINATOR (LCD)	
58	A-1156-892-A	PANEL ASSY, FRONT (GT200S)	
58	A-1156-908-A	PANEL ASSY, FRONT (GT200:AEP,UK)	
58	A-1156-937-A	PANEL ASSY, FRONT (GT250S)	
59	2-652-792-01	PANEL, FRONT BACK	
60	3-250-543-21	SCREW (+B P-TITE M2)	
61	X-2055-358-1	CASE ASSY (for FRONT PANEL)	
LCD901	1-805-919-11	DISPLAY PANEL, LIQUID CRYSTAL	
RE901	1-478-474-12	ENCODER, ROTARY (PUSH/SELECT VOLUME)	

2-3. CD MECHANISM SECTION (1) (MG-611WA-186//Q)



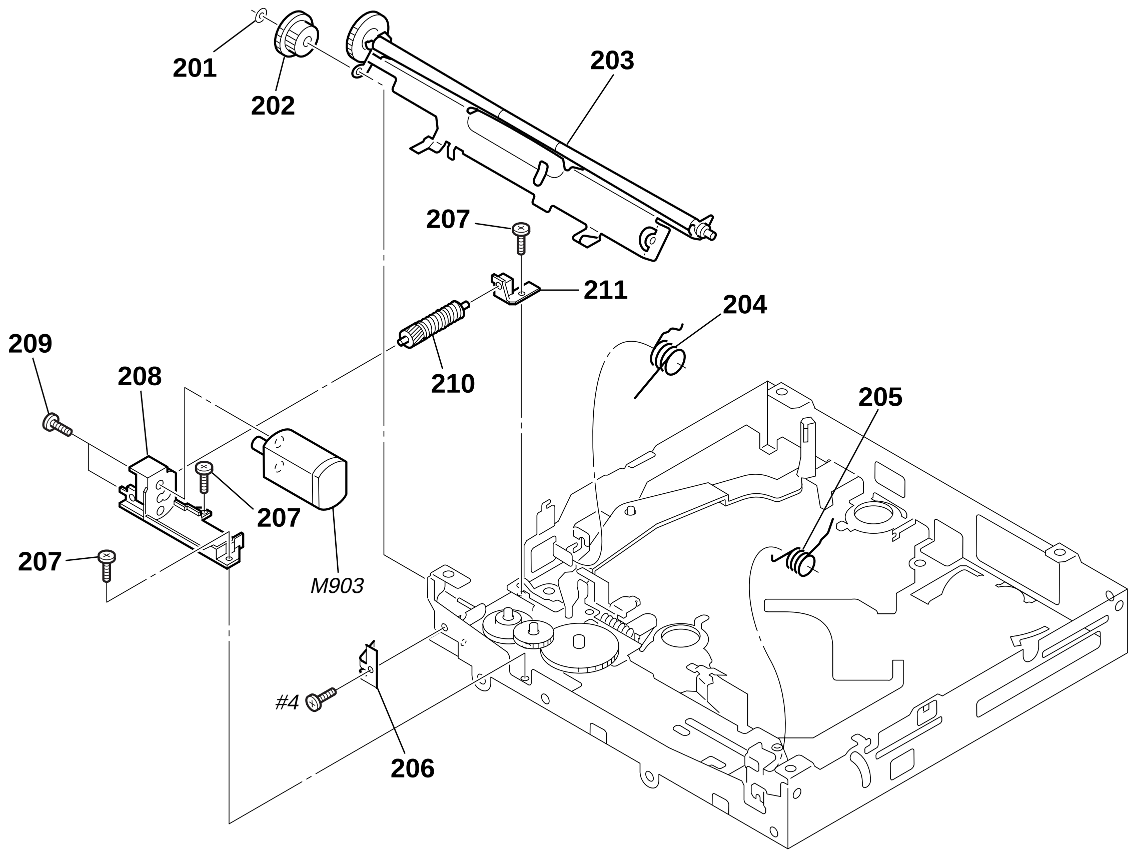
Ref. No.	Part No.	Description	Remark
101	A-3372-444-C	CHASSIS (T) SUB ASSY	
102	3-253-729-11	SPRING (LR), TENSION COIL	
103	3-257-892-12	SPRING (DAMPER), COIL (GREEN)	
104	3-257-892-01	SPRING (DAMPER), COIL (NATURAL)	
105	2-345-767-11	SPRING (KF60), TENSION	
106	3-259-033-01	DAMPER (S)	
107	2-587-505-01	SCREW	
108	A-1132-412-A	SERVO BOARD, COMPLETE	
#4	7-627-552-87	SCREW, PRECISION +P 1.7X2.2	

2-4. CD MECHANISM SECTION (2) (MG-611WA-186//Q)



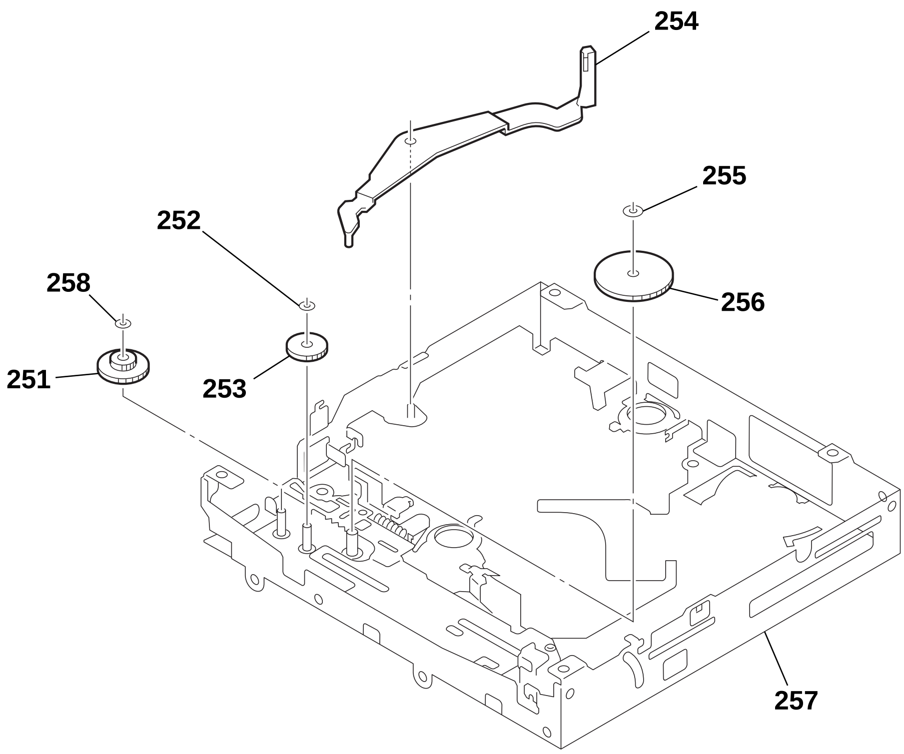
Ref. No.	Part No.	Description	Remark
151	A-1075-644-A	CHASSIS (OP) COMPLETE ASSY	
152	3-316-938-91	SCREW (B1.4X5), TAPPING	
⚠153	8-820-207-12	OPTICAL PICK-UP (KSS1000E/K1RP)	
154	A-1075-645-A	CHASSIS (OP) SUB ASSY (including M901)	
155	A-3372-449-A	ARM SUB ASSY, CHUCKING	
156	A-3372-446-A	LEVER (SL) SUB ASSY	
157	X-3384-090-3	LEVER (SL) ASSY	
M902	A-3372-447-A	MOTOR ASSY, SL (SLED)	
SW4	1-571-099-11	SWITCH (1 KEY) (LIMIT)	
#5	7-627-850-77	SCREW, PRECISION +P 1.4X1.8	

2-5. CD MECHANISM SECTION (3) (MG-611WA-186//Q)



Ref. No.	Part No.	Description	Remark
201	3-348-993-01	WASHER	
202	2-186-699-01	GEAR (RA1)	
203	A-1075-641-C	ARM ASSY, ROLLER	
204	2-635-295-11	SPRING (RAL-B)	
205	2-635-296-11	SPRING (RAR-B)	
206	3-259-469-12	SPRING (LE), LEAF	
207	2-134-636-21	SCREW (M1.7X2.5)	
208	2-186-696-02	BRACKET (LEM-N)	
209	3-345-648-91	SCREW (M1.4), TOOTHED LOCK	
210	A-1083-636-A	GEAR (LE) ASSY	
211	2-186-697-01	BEARING (LEB-N)	
M903	A-1166-300-A	MOTOR ASSY (B), LE (LOADING)	
#4	7-627-552-87	SCREW, PRECISION +P 1.7X2.2	

2-6. CD MECHANISM SECTION (4)
(MG-611WA-186//Q)



Ref. No.	Part No.	Description	Remark
251	2-186-700-01	GEAR (CHK1)	
252	3-344-223-01	WASHER	
253	3-259-470-12	GEAR (LE1)	
254	3-253-755-41	LEVER (D)	
255	2-630-962-01	WASHER (SLIT)	
256	2-590-545-31	GEAR (LE2-M)	
257	A-1075-640-B	CHASSIS (M) BLOCK ASSY	
258	3-348-993-01	WASHER	

JACK KEY

SECTION 3
ELECTRICAL PARTS LIST

NOTE:
- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- -XX and -X mean standardized parts, so they may have some difference from the original one.
- RESISTORS
  All resistors are in ohms.
  METAL:Metal-film resistor.
  METAL OXIDE: Metal oxide-film resistor.
  F:nonflammable
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- SEMICONDUCTORS
  In each case, u : μ, for example:
  uA.. : μA.. uPA..: μPA..
  uPB.. : μPB.. uPC..: μPC.. uPD.. : μPD..
- CAPACITORS
  uF : μF
- COILS
  uH : μH

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Les composants identifiés par une marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une piéce portant le numéro spécifié.

Ref. No.	Part No.	Description	Remark
		JACK BOARD	
		***********	
		< JUMPER RESISTOR >	
FB901	1-216-864-11	SHORT CHIP 0	
FB902	1-216-864-11	SHORT CHIP 0	
FB903	1-216-295-11	SHORT CHIP 0	
		< JACK >	
J901	1-819-732-11	JACK (DIA. 3.5) (AUX)	

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Ref. No.	Part No.	Description	Remark
		KEY BOARD	
		**********	
		< CAPACITOR >	
C921	1-163-031-11	CERAMIC CHIP 0.01uF	50V
C922	1-163-031-11	CERAMIC CHIP 0.01uF	50V
C971	1-107-826-11	CERAMIC CHIP 0.1uF 10%	16V
C981	1-107-826-11	CERAMIC CHIP 0.1uF 10%	16V
C983	1-107-826-11	CERAMIC CHIP 0.1uF 10%	16V
C984	1-107-826-11	CERAMIC CHIP 0.1uF 10%	16V
C986	1-125-837-11	CERAMIC CHIP 1uF 10%	6.3V
		< CONNECTOR >	
CN901	1-819-758-11	PLUG, CONNECTOR 15P	
		< DIODE >	
D901	6-500-886-01	DIODE RSA6.1ENTR	
D903	8-719-083-66	DIODE UDZSTE-1718B	
D981	8-719-069-54	DIODE UDZSTE-175.1B	
D982	8-719-988-61	DIODE 1SS355TE-17	
		< JUMPER RESISTOR >	
FB904	1-216-864-11	SHORT CHIP 0	
		< IC >	
IC901	6-707-063-01	IC LC75826WH-US-E	
IC971	6-600-163-01	IC RS-770 (IR)	
		< DIODE >	
LED904	8-719-053-09	LED SML-310VTT86 (–)	
LED906	8-719-053-09	LED SML-310VTT86 (+)	
LED907	8-719-053-09	LED SML-310VTT86 (●/AF/TA) (GT200:AEP,UK/GT200S)	
LED907	8-719-053-09	LED SML-310VTT86 (●/SCRL) (GT250S)	
LED908	8-719-053-09	LED SML-310VTT86 (EQ3)	
LED911	8-719-053-09	LED SML-310VTT86 (PTY) (GT200:AEP,UK/GT200S)	
LED911	8-719-053-09	LED SML-310VTT86 (BTM) (GT250S)	
LED912	8-719-053-09	LED SML-310VTT86 (MODE)	
LED913	8-719-053-09	LED SML-310VTT86 (1)	
LED914	8-719-053-09	LED SML-310VTT86 (2)	
LED915	8-719-053-09	LED SML-310VTT86 (3)	
LED916	8-719-053-09	LED SML-310VTT86 (4)	
LED917	8-719-053-09	LED SML-310VTT86 (5)	
LED918	8-719-053-09	LED SML-310VTT86 (6)	
LED919	8-719-053-09	LED SML-310VTT86 (SENS)	
LED932	6-501-339-01	LED NESW505CT-AST (LCD BACK LIGHT)	
LED941	8-719-053-09	LED SML-310VTT86 (RE LIGHT)	
LED942	8-719-053-09	LED SML-310VTT86 (RE LIGHT)	
LED943	8-719-053-09	LED SML-310VTT86 (RE LIGHT)	
LED944	8-719-053-09	LED SML-310VTT86 (RE LIGHT)	
LED951	8-719-053-09	LED SML-310VTT86 (DISC INDICATOR)	
		< RESISTOR >	
LED952	1-216-813-11	METAL CHIP 220 5%	1/10W
		< SWITCH >	
LSW901	1-786-805-12	SWITCH, TACTILE (WITH LED) (⏏)	
LSW902	1-786-805-12	SWITCH, TACTILE (WITH LED) (OFF)	
LSW903	1-786-805-12	SWITCH, TACTILE (WITH LED) (SOURCE)	
LSW909	1-786-805-12	SWITCH, TACTILE (WITH LED) (SEEK+ ▶▶ ▶▶I)	
LSW910	1-786-805-12	SWITCH, TACTILE (WITH LED) (SEEK– I◀◀ ◀◀)	
LSW920	1-786-805-12	SWITCH, TACTILE (WITH LED) (DSPL/DIM)	
		< TRANSISTOR >	
Q931	8-729-027-44	TRANSISTOR DTC114TKA-T146	
Q932	8-729-027-58	TRANSISTOR DTC143ZKA-T146	
		< RESISTOR >	
R899	1-216-864-11	SHORT CHIP 0	
R901	1-216-819-11	METAL CHIP 680 5%	1/10W
R902	1-216-819-11	METAL CHIP 680 5%	1/10W
R903	1-216-819-11	METAL CHIP 680 5%	1/10W
R904	1-216-821-11	METAL CHIP 1K 5%	1/10W

Ref. No.	Part No.	Description			Remark
R905	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R906	1-216-819-11	METAL CHIP	680	5%	1/10W
R907	1-216-819-11	METAL CHIP	680	5%	1/10W
R908	1-216-819-11	METAL CHIP	680	5%	1/10W
R909	1-216-821-11	METAL CHIP	1K	5%	1/10W
R910	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R911	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R912	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R913	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R914	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R915	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W
R916	1-216-833-11	METAL CHIP	10K	5%	1/10W
R917	1-216-835-11	METAL CHIP	15K	5%	1/10W
R918	1-216-837-11	METAL CHIP	22K	5%	1/10W
R921	1-216-041-00	RES-CHIP	470	5%	1/10W
R922	1-216-041-00	RES-CHIP	470	5%	1/10W
R923	1-216-041-00	RES-CHIP	470	5%	1/10W
R924	1-216-041-00	RES-CHIP	470	5%	1/10W
R931	1-216-031-00	RES-CHIP	180	5%	1/10W
R932	1-216-031-00	RES-CHIP	180	5%	1/10W
R933	1-216-031-00	RES-CHIP	180	5%	1/10W
R934	1-216-051-00	RES-CHIP	1.2K	5%	1/10W
R941	1-216-033-00	RES-CHIP	220	5%	1/10W
R942	1-216-033-00	RES-CHIP	220	5%	1/10W
R944	1-216-031-00	RES-CHIP	180	5%	1/10W
R945	1-216-031-00	RES-CHIP	180	5%	1/10W
R946	1-216-027-00	RES-CHIP	120	5%	1/10W
R947	1-216-029-00	RES-CHIP	150	5%	1/10W
R948	1-216-033-00	RES-CHIP	220	5%	1/10W
R949	1-216-033-00	RES-CHIP	220	5%	1/10W
R950	1-216-027-00	RES-CHIP	120	5%	1/10W
R951	1-216-029-00	RES-CHIP	150	5%	1/10W
R953	1-216-037-00	RES-CHIP	330	5%	1/10W
R954	1-216-037-00	RES-CHIP	330	5%	1/10W
R955	1-216-031-00	RES-CHIP	180	5%	1/10W
R956	1-216-031-00	RES-CHIP	180	5%	1/10W
R957	1-216-033-00	RES-CHIP	220	5%	1/10W
R958	1-216-033-00	RES-CHIP	220	5%	1/10W
R959	1-216-033-00	RES-CHIP	220	5%	1/10W
R960	1-216-033-00	RES-CHIP	220	5%	1/10W
R961	1-216-033-00	RES-CHIP	220	5%	1/10W
R962	1-216-033-00	RES-CHIP	220	5%	1/10W
R963	1-216-033-00	RES-CHIP	220	5%	1/10W
R964	1-216-033-00	RES-CHIP	220	5%	1/10W
R972	1-216-809-11	METAL CHIP	100	5%	1/10W
R974	1-216-864-11	SHORT CHIP	0		
R975	1-216-864-11	SHORT CHIP	0		
R976	1-216-864-11	SHORT CHIP	0		
R977	1-216-809-11	METAL CHIP	100	5%	1/10W
R978	1-216-809-11	METAL CHIP	100	5%	1/10W
R979	1-216-809-11	METAL CHIP	100	5%	1/10W
R981	1-216-811-11	METAL CHIP	150	5%	1/10W
R982	1-216-811-11	METAL CHIP	150	5%	1/10W
R984	1-216-821-11	METAL CHIP	1K	5%	1/10W
R985	1-216-821-11	METAL CHIP	1K	5%	1/10W
R986	1-216-821-11	METAL CHIP	1K	5%	1/10W
R987	1-216-857-11	METAL CHIP	1M	5%	1/10W
R991	1-216-864-11	SHORT CHIP	0		

Ref. No.	Part No.	Description			Remark
R996	1-216-035-00	RES-CHIP	270	5%	1/10W
R997	1-216-037-00	RES-CHIP	330	5%	1/10W
R998	1-216-033-00	RES-CHIP	220	5%	1/10W
		< SWITCH >			
S904	1-786-653-11	SWITCH, TACTILE (GP/ALBM–)			
S906	1-786-653-11	SWITCH, TACTILE (GP/ALBM+)			
S907	1-786-653-11	SWITCH, TACTILE (●/AF/TA)			(GT200:AEP,UK/GT200S)
S907	1-786-653-11	SWITCH, TACTILE (●/SCRL) (GT250S)			
S908	1-786-653-11	SWITCH, TACTILE (EQ3)			
S911	1-786-653-11	SWITCH, TACTILE (PTY)			(GT200:AEP,UK/GT200S)
S911	1-786-653-11	SWITCH, TACTILE (BTM) (GT250S)			
S912	1-786-653-11	SWITCH, TACTILE (MODE)			
S913	1-786-653-11	SWITCH, TACTILE (1)			
S914	1-786-653-11	SWITCH, TACTILE (2)			
S915	1-786-653-11	SWITCH, TACTILE (3/REP)			
S916	1-786-653-11	SWITCH, TACTILE (4/SHUF)			
S917	1-786-653-11	SWITCH, TACTILE (5)			
S918	1-786-653-11	SWITCH, TACTILE (6/PAUSE)			
S919	1-786-653-11	SWITCH, TACTILE (SENS/BTM)			(GT200:AEP,UK/GT200S)
S919	1-786-653-11	SWITCH, TACTILE (SENS) (GT250S)			

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Ref. No.	Part No.	Description			Remark
	A-1156-888-A	MAIN BOARD, COMPLETE			(GT200:AEP,UK/GT200S)
	A-1156-933-A	MAIN BOARD, COMPLETE (GT250S)			
		*********************			
	7-685-134-19	SCREW +P 2.6X8 TYPE2 NON-SLIT			
	7-685-794-09	SCREW +PTT 2.6X10 (S)			
		< CAPACITOR >			
C1	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V (GT200:AEP,UK/GT200S)
C2	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V (GT200:AEP,UK/GT200S)
C3	1-126-963-11	ELECT	4.7uF	20%	50V (GT200:AEP,UK/GT200S)
C4	1-126-947-11	ELECT	47uF	20%	35V
C5	1-126-947-11	ELECT	47uF	20%	35V
C6	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C7	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C12	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C13	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C51	1-126-947-11	ELECT	47uF	20%	35V (GT200:AEP,UK/GT200S)
C53	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V (GT200:AEP,UK/GT200S)
C54	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V (GT200:AEP,UK/GT200S)
C55	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V (GT200:AEP,UK/GT200S)
C56	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V (GT200:AEP,UK/GT200S)
C57	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V (GT200:AEP,UK/GT200S)
C58	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V (GT200:AEP,UK/GT200S)

MAIN

Ref. No.	Part No.	Description			Remark
C59	1-164-237-11	CERAMIC CHIP	16PF	5%	50V
					(GT200:AEP,UK/GT200S)
C60	1-162-916-11	CERAMIC CHIP	12PF	5%	50V
					(GT200:AEP,UK/GT200S)
C62	1-162-959-11	CERAMIC CHIP	330PF	5%	50V
					(GT200:AEP,UK/GT200S)
C301	1-128-551-11	ELECT	22uF	20%	63V
C302	1-104-665-11	ELECT	100uF	20%	25V
C305	1-104-665-11	ELECT	100uF	20%	25V
C306	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C308	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C309	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C310	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C312	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C343	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C401	1-126-964-11	ELECT	10uF	20%	50V
C404	1-127-715-11	CERAMIC CHIP	0.22uF	10%	16V
C405	1-127-715-11	CERAMIC CHIP	0.22uF	10%	16V
C406	1-126-960-11	ELECT	1uF	20%	50V
C407	1-126-960-11	ELECT	1uF	20%	50V
C410	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
C411	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
C412	1-126-934-11	ELECT	220uF	20%	16V
C413	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C431	1-126-964-11	ELECT	10uF	20%	50V
C432	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C435	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C441	1-126-964-11	ELECT	10uF	20%	50V
C442	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C445	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C451	1-126-964-11	ELECT	10uF	20%	50V
C452	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C455	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C461	1-126-964-11	ELECT	10uF	20%	50V
C462	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C465	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C471	1-126-964-11	ELECT	10uF	20%	50V
C474	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C479	1-126-947-11	ELECT	47uF	20%	35V
C481	1-126-964-11	ELECT	10uF	20%	50V
C484	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C501	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C502	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C503	1-104-665-11	ELECT	100uF	20%	25V
C504	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C507	1-162-917-11	CERAMIC CHIP	15PF	5%	50V
C508	1-162-917-11	CERAMIC CHIP	15PF	5%	50V
C509	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C510	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C511	1-104-665-11	ELECT	100uF	20%	25V
C512	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C513	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C514	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C516	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
					(GT200:AEP,UK/GT200S)
C516	1-216-864-11	SHORT CHIP	0 (GT250S)		
C519	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C601	1-131-868-81	ELECT	3300uF	20%	16V
C602	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C617	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V
C618	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V
C622	1-126-916-11	ELECT	1000uF	20%	6.3V
C623	1-126-916-11	ELECT	1000uF	20%	6.3V
C631	1-126-960-11	ELECT	1uF	20%	50V
C750	1-115-340-11	CERAMIC CHIP	0.22uF	10%	25V
C751	1-115-340-11	CERAMIC CHIP	0.22uF	10%	25V
C753	1-128-551-11	ELECT	22uF	20%	63V
C754	1-126-961-11	ELECT	2.2uF	20%	50V
C755	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C756	1-127-715-11	CERAMIC CHIP	0.22uF	10%	16V
C758	1-126-964-11	ELECT	10uF	20%	50V
C763	1-127-715-11	CERAMIC CHIP	0.22uF	10%	16V
C764	1-115-340-11	CERAMIC CHIP	0.22uF	10%	25V
C765	1-115-340-11	CERAMIC CHIP	0.22uF	10%	25V
C769	1-127-715-11	CERAMIC CHIP	0.22uF	10%	16V
C770	1-127-715-11	CERAMIC CHIP	0.22uF	10%	16V
C771	1-127-715-11	CERAMIC CHIP	0.22uF	10%	16V
C774	1-115-340-11	CERAMIC CHIP	0.22uF	10%	25V
C775	1-115-340-11	CERAMIC CHIP	0.22uF	10%	25V
C776	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C901	1-109-982-11	CERAMIC CHIP	1uF	10%	10V
C902	1-109-982-11	CERAMIC CHIP	1uF	10%	10V
C903	1-126-961-11	ELECT	2.2uF	20%	50V
C905	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C917	1-163-017-00	CERAMIC CHIP	0.0047uF	10%	50V
C918	1-163-017-00	CERAMIC CHIP	0.0047uF	10%	50V
		< CONNECTOR >			
CN601	1-774-701-21	PIN, CONNECTOR 16P			
CN701	1-819-773-11	SOCKET, CONNECTOR 15P			
CNP301	1-817-536-11	CONNECTOR, BOARD TO BOARD 28P			
		< DIODE >			
D1	6-501-168-01	DIODE UDZW-TE17-5.6B			
D479	6-501-193-01	DIODE 1SS355WTE-17			
D502	6-500-084-01	DIODE RB751V40T1			
D503	6-501-193-01	DIODE 1SS355WTE-17			
D510	6-501-013-01	DIODE BAT54ALT1G			
D511	6-500-335-01	DIODE MC2838-T112-1			
D512	6-501-051-01	DIODE BAT54CLT1G			
D580	6-501-171-01	DIODE UDZW-TE17-7.5B			
D581	6-501-180-01	DIODE UDZW-TE17-18B			
D601	8-719-049-38	DIODE 1N5404TU			
D609	6-501-170-01	DIODE UDZW-TE17-6.8B			
D617	6-501-180-01	DIODE UDZW-TE17-18B			
D651	6-501-180-01	DIODE UDZW-TE17-18B			
					(GT200:AEP,UK/GT200S)
D704	1-216-295-11	SHORT CHIP	0		
D719	6-501-180-01	DIODE UDZW-TE17-18B			
D751	6-500-522-01	DIODE 10EDB40-TA1B2			
D752	6-500-522-01	DIODE 10EDB40-TA1B2			
D753	6-500-522-01	DIODE 10EDB40-TA1B2			
D754	6-500-522-01	DIODE 10EDB40-TA1B2			
D755	6-500-522-01	DIODE 10EDB40-TA1B2			
D756	6-500-522-01	DIODE 10EDB40-TA1B2			
D757	6-500-522-01	DIODE 10EDB40-TA1B2			
D758	6-500-522-01	DIODE 10EDB40-TA1B2			

Ref. No.	Part No.	Description	Remark
D759	6-500-522-01	DIODE 10EDB40-TA1B2	
D760	6-500-522-01	DIODE 10EDB40-TA1B2	
D761	6-500-522-01	DIODE 10EDB40-TA1B2	
D762	6-500-522-01	DIODE 10EDB40-TA1B2	
D903	6-501-170-01	DIODE UDZW-TE17-6.8B	
		< FERRITE BEAD >	
FB1	1-500-245-11	INDUCTOR, FERRITE BEAD	
FB302	1-216-864-11	SHORT CHIP 0	
FB303	1-216-864-11	SHORT CHIP 0	
FB304	1-216-295-11	SHORT CHIP 0	
FB305	1-216-295-11	SHORT CHIP 0	
FB307	1-216-864-11	SHORT CHIP 0	
FB308	1-216-295-11	SHORT CHIP 0	
FB309	1-216-864-11	SHORT CHIP 0	
FB310	1-216-864-11	SHORT CHIP 0	
FB410	1-216-864-11	SHORT CHIP 0 (GT250S)	
FB410	1-414-595-11	INDUCTOR, FERRITE BEAD (GT200:AEP,UK/GT200S)	
FB411	1-216-864-11	SHORT CHIP 0 (GT250S)	
FB411	1-414-595-11	INDUCTOR, FERRITE BEAD (GT200:AEP,UK/GT200S)	
FB501	1-216-295-11	SHORT CHIP 0	
FB603	1-216-295-11	SHORT CHIP 0	
FB604	1-500-245-11	INDUCTOR, FERRITE BEAD	
FB605	1-216-864-11	SHORT CHIP 0	
FB606	1-216-864-11	SHORT CHIP 0	
		< FUSE >	
FU601	1-532-877-11	FUSE (BLADE TYPE) (AUTO FUSE) 10A	
		< IC >	
IC51	6-803-747-01	IC TDA7333013TR (GT200:AEP,UK/GT200S)	
IC401	6-708-880-01	IC BD3806AFS-E2	
IC501	6-806-031-03	IC MB90487APF-G-198E1	
IC602	8-759-659-13	IC PST3428UL	
IC750	6-705-360-02	IC TDA8588BJ/N2/R1 (GT250S)	
IC750	6-705-360-11	IC TDA8588BJ/N2/R1/M5 (GT200:AEP,UK/GT200S)	
IC901	8-759-681-42	IC NJM12902V(TE2)	
		< JACK >	
J1	1-815-185-13	JACK (ANTENNA)	
J330	1-774-698-11	JACK, PIN 2P (AUDIO OUT REAR)	
		< JUMPER RESISTOR >	
JC1	1-216-864-11	SHORT CHIP 0	
JC501	1-216-864-11	SHORT CHIP 0	
JC504	1-216-864-11	SHORT CHIP 0	
JC527	1-216-821-11	METAL CHIP 1K 5% 1/10W	
JC533	1-216-864-11	SHORT CHIP 0	
JC681	1-216-864-11	SHORT CHIP 0	
JC753	1-216-296-11	SHORT CHIP 0	
JC754	1-216-296-11	SHORT CHIP 0	
JC755	1-216-296-11	SHORT CHIP 0	
JC756	1-216-864-11	SHORT CHIP 0	
JC795	1-216-864-11	SHORT CHIP 0	

Ref. No.	Part No.	Description	Remark
		< RESISTOR >	
JW52	1-249-425-11	CARBON 4.7K 5% 1/4W	
		< COIL >	
L1	1-469-844-11	INDUCTOR 2.2uH	
L51	1-216-295-11	SHORT CHIP 0 (GT200:AEP,UK/GT200S)	
L301	1-216-295-11	SHORT CHIP 0	
L501	1-216-295-11	SHORT CHIP 0	
L601	1-456-617-11	COIL, CHOKE	
		< TRANSISTOR >	
Q1	6-551-431-01	TRANSISTOR 2SC6027T100-QR	
Q22	1-801-806-11	TRANSISTOR DTC144EKA (GT200:AEP,UK/GT200S)	
Q51	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R (GT200:AEP,UK/GT200S)	
Q431	8-729-027-44	TRANSISTOR DTC114TKA-T146	
Q441	8-729-027-44	TRANSISTOR DTC114TKA-T146	
Q451	8-729-027-44	TRANSISTOR DTC114TKA-T146	
Q461	8-729-027-44	TRANSISTOR DTC114TKA-T146	
Q471	6-550-752-01	TRANSISTOR DTC614TKT146	
Q478	1-801-806-11	TRANSISTOR DTC144EKA	
Q479	8-729-027-23	TRANSISTOR DTA114EKA-T146	
Q481	6-550-752-01	TRANSISTOR DTC614TKT146	
Q580	8-729-027-43	TRANSISTOR DTC114EKA-T146	
Q581	1-801-806-11	TRANSISTOR DTC144EKA	
Q582	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q631	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q651	8-729-120-28	TRANSISTOR 2SC1623-L5L6 (GT200:AEP,UK/GT200S)	
Q664	8-729-027-23	TRANSISTOR DTA114EKA-T146	
		< RESISTOR >	
R1	1-216-821-11	METAL CHIP 1K 5% 1/10W	
R2	1-414-595-11	INDUCTOR, FERRITE BEAD	
R3	1-414-595-11	INDUCTOR, FERRITE BEAD	
R4	1-216-839-11	METAL CHIP 33K 5% 1/10W	
R5	1-216-843-11	METAL CHIP 68K 5% 1/10W	
R6	1-216-839-11	METAL CHIP 33K 5% 1/10W (GT200:AEP,UK/GT200S)	
R7	1-216-843-11	METAL CHIP 68K 5% 1/10W (GT200:AEP,UK/GT200S)	
R8	1-216-839-11	METAL CHIP 33K 5% 1/10W (GT200:AEP,UK/GT200S)	
R9	1-216-843-11	METAL CHIP 68K 5% 1/10W (GT200:AEP,UK/GT200S)	
R12	1-414-595-11	INDUCTOR, FERRITE BEAD	
R13	1-414-595-11	INDUCTOR, FERRITE BEAD	
R29	1-216-809-11	METAL CHIP 100 5% 1/10W (GT200:AEP,UK/GT200S)	
R51	1-216-797-11	METAL CHIP 10 5% 1/10W (GT200:AEP,UK/GT200S)	
R52	1-216-803-11	METAL CHIP 33 5% 1/10W (GT200:AEP,UK/GT200S)	
R53	1-414-595-11	INDUCTOR, FERRITE BEAD (GT200:AEP,UK/GT200S)	
R54	1-216-845-11	METAL CHIP 100K 5% 1/10W (GT200:AEP,UK/GT200S)	
R55	1-216-864-11	SHORT CHIP 0 (GT200:AEP,UK/GT200S)	

MAIN

Ref. No.	Part No.	Description				Remark
R56	1-414-595-11	INDUCTOR, FERRITE BEAD				(GT200:AEP,UK/GT200S)
R57	1-414-595-11	INDUCTOR, FERRITE BEAD				(GT200:AEP,UK/GT200S)
R58	1-216-833-11	METAL CHIP	10K	5%	1/10W	(GT200:AEP,UK/GT200S)
R59	1-216-845-11	METAL CHIP	100K	5%	1/10W	(GT200:AEP,UK/GT200S)
R60	1-216-833-11	METAL CHIP	10K	5%	1/10W	(GT200:AEP,UK/GT200S)
R61	1-216-821-11	METAL CHIP	1K	5%	1/10W	(GT200:AEP,UK/GT200S)
R301	1-216-821-11	METAL CHIP	1K	5%	1/10W	
R302	1-216-821-11	METAL CHIP	1K	5%	1/10W	
R401	1-216-797-11	METAL CHIP	10	5%	1/10W	
R405	1-218-881-11	METAL CHIP	27K	0.5%	1/10W	
R406	1-216-809-11	METAL CHIP	100	5%	1/10W	
R407	1-216-809-11	METAL CHIP	100	5%	1/10W	
R408	1-216-809-11	METAL CHIP	100	5%	1/10W	
R409	1-216-809-11	METAL CHIP	100	5%	1/10W	
R410	1-216-809-11	METAL CHIP	100	5%	1/10W	
R411	1-216-809-11	METAL CHIP	100	5%	1/10W	
R431	1-216-821-11	METAL CHIP	1K	5%	1/10W	
R432	1-216-841-11	METAL CHIP	47K	5%	1/10W	
R441	1-216-821-11	METAL CHIP	1K	5%	1/10W	
R442	1-216-841-11	METAL CHIP	47K	5%	1/10W	
R451	1-216-821-11	METAL CHIP	1K	5%	1/10W	
R452	1-216-841-11	METAL CHIP	47K	5%	1/10W	
R461	1-216-821-11	METAL CHIP	1K	5%	1/10W	
R462	1-216-841-11	METAL CHIP	47K	5%	1/10W	
R471	1-216-809-11	METAL CHIP	100	5%	1/10W	
R472	1-216-841-11	METAL CHIP	47K	5%	1/10W	
R479	1-216-805-11	METAL CHIP	47	5%	1/10W	
R481	1-216-809-11	METAL CHIP	100	5%	1/10W	
R482	1-216-841-11	METAL CHIP	47K	5%	1/10W	
R502	1-216-821-11	METAL CHIP	1K	5%	1/10W	
R503	1-216-821-11	METAL CHIP	1K	5%	1/10W	
R504	1-218-871-11	METAL CHIP	10K	0.5%	1/10W	
R505	1-218-871-11	METAL CHIP	10K	0.5%	1/10W	
R506	1-216-845-11	METAL CHIP	100K	5%	1/10W	
R507	1-216-845-11	METAL CHIP	100K	5%	1/10W	(GT250S)
R508	1-216-864-11	SHORT CHIP	0			
R509	1-216-812-11	METAL CHIP	180	5%	1/10W	
R510	1-216-821-11	METAL CHIP	1K	5%	1/10W	
R511	1-216-821-11	METAL CHIP	1K	5%	1/10W	
R512	1-216-821-11	METAL CHIP	1K	5%	1/10W	
R513	1-216-845-11	METAL CHIP	100K	5%	1/10W	
R514	1-216-845-11	METAL CHIP	100K	5%	1/10W	
R517	1-216-841-11	METAL CHIP	47K	5%	1/10W	
R518	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	
R519	1-216-845-11	METAL CHIP	100K	5%	1/10W	
R521	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	
R522	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	
R528	1-216-845-11	METAL CHIP	100K	5%	1/10W	
R529	1-216-821-11	METAL CHIP	1K	5%	1/10W	
R531	1-216-845-11	METAL CHIP	100K	5%	1/10W	
R532	1-216-845-11	METAL CHIP	100K	5%	1/10W	
R533	1-216-845-11	METAL CHIP	100K	5%	1/10W	
R534	1-216-833-11	METAL CHIP	10K	5%	1/10W	

Ref. No.	Part No.	Description				Remark
R535	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R536	1-216-845-11	METAL CHIP	100K	5%	1/10W	
R537	1-216-845-11	METAL CHIP	100K	5%	1/10W	
R539	1-216-821-11	METAL CHIP	1K	5%	1/10W	
R540	1-216-845-11	METAL CHIP	100K	5%	1/10W	
R541	1-216-845-11	METAL CHIP	100K	5%	1/10W	
R542	1-216-821-11	METAL CHIP	1K	5%	1/10W	
R543	1-216-821-11	METAL CHIP	1K	5%	1/10W	
R544	1-216-821-11	METAL CHIP	1K	5%	1/10W	
R545	1-216-845-11	METAL CHIP	100K	5%	1/10W	(GT250S)
R546	1-216-845-11	METAL CHIP	100K	5%	1/10W	(GT250S)
R547	1-216-864-11	SHORT CHIP	0			
R550	1-216-845-11	METAL CHIP	100K	5%	1/10W	
R551	1-216-845-11	METAL CHIP	100K	5%	1/10W	(GT200:AEP,UK/GT200S)
R556	1-216-833-11	METAL CHIP	10K	5%	1/10W	(GT250S)
R557	1-216-809-11	METAL CHIP	100	5%	1/10W	
R558	1-216-821-11	METAL CHIP	1K	5%	1/10W	(GT250S)
R561	1-216-845-11	METAL CHIP	100K	5%	1/10W	
R563	1-216-845-11	METAL CHIP	100K	5%	1/10W	
R564	1-216-845-11	METAL CHIP	100K	5%	1/10W	(GT200:AEP,UK/GT200S)
R565	1-216-845-11	METAL CHIP	100K	5%	1/10W	
R566	1-216-845-11	METAL CHIP	100K	5%	1/10W	
R567	1-216-845-11	METAL CHIP	100K	5%	1/10W	
R568	1-216-821-11	METAL CHIP	1K	5%	1/10W	(GT250S)
R570	1-216-817-11	METAL CHIP	470	5%	1/10W	
R573	1-216-845-11	METAL CHIP	100K	5%	1/10W	(GT200:AEP,UK/GT200S)
R575	1-216-845-11	METAL CHIP	100K	5%	1/10W	
R577	1-216-845-11	METAL CHIP	100K	5%	1/10W	
R578	1-216-821-11	METAL CHIP	1K	5%	1/10W	
R582	1-216-821-11	METAL CHIP	1K	5%	1/10W	
R583	1-216-821-11	METAL CHIP	1K	5%	1/10W	
R584	1-216-841-11	METAL CHIP	47K	5%	1/10W	
R585	1-216-849-11	METAL CHIP	220K	5%	1/10W	
R601	1-216-845-11	METAL CHIP	100K	5%	1/10W	
R609	1-216-821-11	METAL CHIP	1K	5%	1/10W	
R631	1-249-425-11	CARBON	4.7K	5%	1/4W	
R632	1-216-841-11	METAL CHIP	47K	5%	1/10W	
R633	1-216-841-11	METAL CHIP	47K	5%	1/10W	
R634	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	
R636	1-216-845-11	METAL CHIP	100K	5%	1/10W	
R651	1-216-821-11	METAL CHIP	1K	5%	1/10W	(GT200:AEP,UK/GT200S)
R652	1-216-841-11	METAL CHIP	47K	5%	1/10W	(GT200:AEP,UK/GT200S)
R653	1-216-833-11	METAL CHIP	10K	5%	1/10W	(GT200:AEP,UK/GT200S)
R654	1-216-833-11	METAL CHIP	10K	5%	1/10W	(GT200:AEP,UK/GT200S)
R661	1-216-821-11	METAL CHIP	1K	5%	1/10W	
R662	1-216-845-11	METAL CHIP	100K	5%	1/10W	
R663	1-216-821-11	METAL CHIP	1K	5%	1/10W	
R664	1-216-845-11	METAL CHIP	100K	5%	1/10W	
R671	1-216-809-11	METAL CHIP	100	5%	1/10W	

Ref. No.	Part No.	Description			Remark
R672	1-216-809-11	METAL CHIP	100	5%	1/10W
R673	1-216-833-11	METAL CHIP	10K	5%	1/10W
R674	1-216-845-11	METAL CHIP	100K	5%	1/10W
R675	1-216-821-11	METAL CHIP	1K	5%	1/10W
R676	1-216-821-11	METAL CHIP	1K	5%	1/10W
R677	1-216-821-11	METAL CHIP	1K	5%	1/10W
R679	1-216-821-11	METAL CHIP	1K	5%	1/10W
R681	1-216-864-11	SHORT CHIP	0		
R691	1-216-845-11	METAL CHIP	100K	5%	1/10W
R692	1-216-845-11	METAL CHIP	100K	5%	1/10W
R694	1-216-821-11	METAL CHIP	1K	5%	1/10W
					(GT200:AEP,UK/GT200S)
R752	1-216-811-11	METAL CHIP	150	5%	1/10W
R756	1-216-841-11	METAL CHIP	47K	5%	1/10W
R757	1-216-864-11	SHORT CHIP	0		
R901	1-216-817-11	METAL CHIP	470	5%	1/10W
R902	1-216-817-11	METAL CHIP	470	5%	1/10W
R903	1-216-834-11	METAL CHIP	12K	5%	1/10W
R904	1-216-834-11	METAL CHIP	12K	5%	1/10W
R905	1-216-841-11	METAL CHIP	47K	5%	1/10W
R906	1-216-841-11	METAL CHIP	47K	5%	1/10W
R907	1-216-845-11	METAL CHIP	100K	5%	1/10W
R910	1-216-789-11	METAL CHIP	2.2	5%	1/10W
R911	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R912	1-216-864-11	SHORT CHIP	0		
R913	1-216-864-11	SHORT CHIP	0		
R914	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
		< SWITCH >			
S502	1-571-478-11	SWITCH, SLIDE (FREQUENCY SELECT)			(GT250S)
S702	1-692-431-21	SWITCH, TACTILE (RESET)			
		< TUNER UNIT >			
TU1	A-3220-961-B	TUNER UNIT (TUX-032)			
		< VIBRATOR >			
X51	1-813-173-11	VIBRATOR, CRYSTAL (8.664MHz)			(GT200:AEP,UK/GT200S)
X501	1-813-524-21	VIBRATOR, CERAMIC (18.432MHz)			
X502	1-813-202-11	VIBRATOR, CRYSTAL (32.768kHz)			

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SENSOR BOARD
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Ref. No.	Part No.	Description			Remark
		< SWITCH >			
SW2	1-529-566-61	SWITCH, PUSH (1 KEY) (SELF)			
SW3	1-529-566-61	SWITCH, PUSH (1 KEY) (DISC IN)			

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A-1132-412-A SERVO BOARD, COMPLETE
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Ref. No.	Part No.	Description			Remark
		< CAPACITOR >			
C7	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C10	1-126-208-21	ELECT CHIP	47uF	20%	4V
C11	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C12	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C13	1-100-567-81	CERAMIC CHIP	0.01uF	10%	25V
C14	1-104-609-11	ELECT CHIP	100uF	20%	4V
C15	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C16	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C17	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C18	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C19	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C20	1-164-677-11	CERAMIC CHIP	0.033uF	10%	16V
C22	1-164-677-11	CERAMIC CHIP	0.033uF	10%	16V
C23	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C24	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C25	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C26	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C29	1-162-968-11	CERAMIC CHIP	0.0047uF	10%	50V
C30	1-162-968-11	CERAMIC CHIP	0.0047uF	10%	50V
C31	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C32	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C33	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C36	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C39	1-126-208-21	ELECT CHIP	47uF	20%	4V
C40	1-126-395-11	ELECT CHIP	22uF	20%	16V
C41	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C42	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C43	1-100-567-81	CERAMIC CHIP	0.01uF	10%	25V
C44	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C45	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C46	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
C47	1-164-245-11	CERAMIC CHIP	0.015uF	10%	25V
C48	1-100-567-81	CERAMIC CHIP	0.01uF	10%	25V
C49	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C50	1-100-567-81	CERAMIC CHIP	0.01uF	10%	25V
C51	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C52	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C53	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C54	1-100-567-81	CERAMIC CHIP	0.01uF	10%	25V
C55	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C56	1-164-245-11	CERAMIC CHIP	0.015uF	10%	25V
C58	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C60	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C62	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C66	1-100-567-81	CERAMIC CHIP	0.01uF	10%	25V
C67	1-100-567-81	CERAMIC CHIP	0.01uF	10%	25V
C68	1-100-567-81	CERAMIC CHIP	0.01uF	10%	25V
C69	1-100-567-81	CERAMIC CHIP	0.01uF	10%	25V
C70	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C71	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C72	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C80	1-125-837-11	CERAMIC CHIP	1uF	10%	6.3V
C132	1-125-837-11	CERAMIC CHIP	1uF	10%	6.3V
C133	1-125-837-11	CERAMIC CHIP	1uF	10%	6.3V
		< CONNECTOR >			
CN1	1-691-380-61	CONNECTOR, FFC/FPC (ZIF) 16P			
CN2	1-817-275-21	CONNECTOR, BOARD TO BOARD 28P			
		< JUMPER RESISTOR >			
FB2	1-216-864-11	SHORT CHIP	0		
FB3	1-216-864-11	SHORT CHIP	0		
FB4	1-216-864-11	SHORT CHIP	0		

SERVO

Ref. No.	Part No.	Description			Remark
		< IC >			
IC1	6-707-327-01	IC BA5968FP-E2			
IC2	6-708-729-01	IC TC94A70FG-002			
IC3	6-806-019-02	IC MB90486BPFV-G-177E1			
IC6	6-708-728-01	IC BH15LB1WG			
		< TRANSISTOR >			
Q2	6-551-120-01	TRANSISTOR 2SA2119K			
Q3	8-729-928-90	TRANSISTOR DTC114EE			
Q21	8-729-904-87	TRANSISTOR 2SB1197K-R			
		< RESISTOR >			
R1	1-218-965-11	RES-CHIP	10K	5%	1/16W
R2	1-218-977-11	RES-CHIP	100K	5%	1/16W
R5	1-218-969-11	RES-CHIP	22K	5%	1/16W
R6	1-218-969-11	RES-CHIP	22K	5%	1/16W
R7	1-218-990-81	SHORT CHIP	0		
R8	1-218-965-11	RES-CHIP	10K	5%	1/16W
R9	1-218-965-11	RES-CHIP	10K	5%	1/16W
R10	1-218-990-81	SHORT CHIP	0		
R11	1-218-941-81	RES-CHIP	100	5%	1/16W
R12	1-218-969-11	RES-CHIP	22K	5%	1/16W
R13	1-218-969-11	RES-CHIP	22K	5%	1/16W
R14	1-218-929-11	RES-CHIP	10	5%	1/16W
R15	1-218-929-11	RES-CHIP	10	5%	1/16W
R16	1-218-953-11	RES-CHIP	1K	5%	1/16W
R17	1-218-990-81	SHORT CHIP	0		
R18	1-218-941-81	RES-CHIP	100	5%	1/16W
R19	1-218-935-11	RES-CHIP	33	5%	1/16W
R20	1-162-961-11	CERAMIC CHIP	330PF	10%	50V
R21	1-218-941-81	RES-CHIP	100	5%	1/16W
R22	1-218-977-11	RES-CHIP	100K	5%	1/16W
R23	1-218-977-11	RES-CHIP	100K	5%	1/16W
R24	1-218-977-11	RES-CHIP	100K	5%	1/16W
R25	1-218-977-11	RES-CHIP	100K	5%	1/16W
R26	1-218-977-11	RES-CHIP	100K	5%	1/16W
R27	1-218-977-11	RES-CHIP	100K	5%	1/16W
R28	1-218-945-11	RES-CHIP	220	5%	1/16W
R29	1-218-989-11	RES-CHIP	1M	5%	1/16W
R30	1-218-989-11	RES-CHIP	1M	5%	1/16W
R31	1-218-989-11	RES-CHIP	1M	5%	1/16W
R32	1-218-947-11	RES-CHIP	330	5%	1/16W
R33	1-218-990-81	SHORT CHIP	0		
R34	1-216-864-11	SHORT CHIP	0		
R35	1-162-961-11	CERAMIC CHIP	330PF	10%	50V
R36	1-218-947-11	RES-CHIP	330	5%	1/16W
R37	1-218-947-11	RES-CHIP	330	5%	1/16W
R38	1-218-941-81	RES-CHIP	100	5%	1/16W
R39	1-218-941-81	RES-CHIP	100	5%	1/16W
R40	1-218-941-81	RES-CHIP	100	5%	1/16W
R41	1-218-941-81	RES-CHIP	100	5%	1/16W
R42	1-218-977-11	RES-CHIP	100K	5%	1/16W
R43	1-218-961-11	RES-CHIP	4.7K	5%	1/16W
R44	1-218-977-11	RES-CHIP	100K	5%	1/16W
R52	1-218-962-11	RES-CHIP	5.6K	5%	1/16W
R53	1-218-979-11	RES-CHIP	150K	5%	1/16W
R54	1-218-990-81	SHORT CHIP	0		
R55	1-218-973-11	RES-CHIP	47K	5%	1/16W
R57	1-218-967-11	RES-CHIP	15K	5%	1/16W
R58	1-218-969-11	RES-CHIP	22K	5%	1/16W
R60	1-218-941-81	RES-CHIP	100	5%	1/16W
R61	1-218-941-81	RES-CHIP	100	5%	1/16W
R62	1-218-941-81	RES-CHIP	100	5%	1/16W
R63	1-218-977-11	RES-CHIP	100K	5%	1/16W
R64	1-218-977-11	RES-CHIP	100K	5%	1/16W
R65	1-218-977-11	RES-CHIP	100K	5%	1/16W
R67	1-218-941-81	RES-CHIP	100	5%	1/16W
R68	1-218-941-81	RES-CHIP	100	5%	1/16W
R69	1-218-941-81	RES-CHIP	100	5%	1/16W
R70	1-218-965-11	RES-CHIP	10K	5%	1/16W
R71	1-218-973-11	RES-CHIP	47K	5%	1/16W
R72	1-218-973-11	RES-CHIP	47K	5%	1/16W
R73	1-218-973-11	RES-CHIP	47K	5%	1/16W
R74	1-218-941-81	RES-CHIP	100	5%	1/16W
R75	1-218-941-81	RES-CHIP	100	5%	1/16W
R77	1-218-973-11	RES-CHIP	47K	5%	1/16W
R78	1-218-941-81	RES-CHIP	100	5%	1/16W
R79	1-218-941-81	RES-CHIP	100	5%	1/16W
R80	1-218-941-81	RES-CHIP	100	5%	1/16W
R81	1-218-941-81	RES-CHIP	100	5%	1/16W
R82	1-218-941-81	RES-CHIP	100	5%	1/16W
R83	1-218-977-11	RES-CHIP	100K	5%	1/16W
R84	1-218-941-81	RES-CHIP	100	5%	1/16W
R85	1-218-977-11	RES-CHIP	100K	5%	1/16W
R86	1-218-941-81	RES-CHIP	100	5%	1/16W
R87	1-218-977-11	RES-CHIP	100K	5%	1/16W
R96	1-218-941-81	RES-CHIP	100	5%	1/16W
R97	1-220-200-81	RES-CHIP	30K	5%	1/16W
R98	1-218-971-11	RES-CHIP	33K	5%	1/16W
R132	1-218-969-11	RES-CHIP	22K	5%	1/16W
R133	1-218-953-11	RES-CHIP	1K	5%	1/16W
R141	1-216-864-11	SHORT CHIP	0		
R144	1-216-864-11	SHORT CHIP	0		
R147	1-216-864-11	SHORT CHIP	0		
		< SWITCH >			
SW1	1-529-565-61	SWITCH, PUSH (1 KEY) (DOWN)			
		< VIBRATOR >			
X1	1-813-678-11	OSCILLATOR, CERAMIC (CHIP TYPE) (12MHz)			
X2	1-795-561-21	VIBRATOR, CERAMIC (16.9344MHz)			

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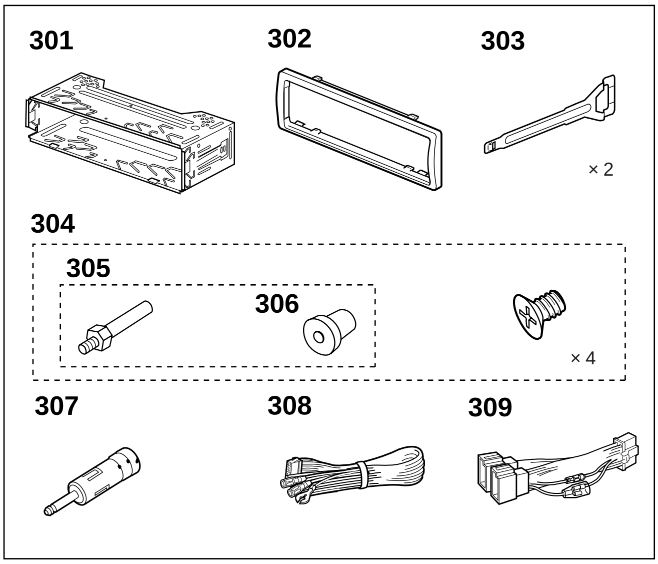
Ref. No.	Part No.	Description	Remark
		MISCELLANEOUS	
		***************	
7	1-776-206-21	CORD (WITH CONNECTOR) (POWER) (GT250S)	
7	1-776-527-61	CORD (WITH CONNECTOR) (ISO) (POWER) (GT200:AEP,UK/GT200S)	
56	1-780-199-11	CONDUCTIVE BOARD, CONNECTION	
⚠153	8-820-207-12	OPTICAL PICK-UP (KSS1000E/K1RP)	
154	A-1075-645-A	CHASSIS (OP) SUB ASSY (including M901)	
LCD901	1-805-919-11	DISPLAY PANEL, LIQUID CRYSTAL	
M902	A-3372-447-A	MOTOR ASSY, SL (SLED)	
M903	A-1166-300-A	MOTOR ASSY (B), LE (LOADING)	
RE901	1-478-474-12	ENCODER, ROTARY (PUSH/SELECT VOLUME)	
SW4	1-571-099-11	SWITCH (1 KEY) (LIMIT)	

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Ref. No.	Part No.	Description	Remark
		ACCESSORIES	
		************	
	1-479-077-13	REMOTE COMMANDER (RM-X151) (GT250S)	
	2-548-729-01	LID, BATTERY CASE (for RM-X151) (GT250S)	
	2-669-721-11	MANUAL, INSTRUCTION (ENGLISH,GERMAN, FRENCH,ITALIAN,DUTCH) (GT200:AEP,UK/GT200S)	
	2-669-721-41	MANUAL, INSTRUCTION (ENGLISH,SPANISH, SIMPLIFIED CHINESE) (GT250S)	
	2-669-722-12	MANUAL, INSTRUCTION, INSTALL (ENGLISH, GERMAN,FRENCH,ITALIAN,DUTCH) (GT200:AEP,UK/GT200S)	
	2-669-722-41	MANUAL, INSTRUCTION, INSTALL (ENGLISH, SPANISH,SIMPLIFIED CHINESE) (GT250S)	
	X-2055-358-1	CASE ASSY (for FRONT PANEL)	

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Ref. No.	Part No.	Description	Remark
		PARTS FOR INSTALLATION AND CONNECTIONS	
		***************************************	
301	X-3382-647-1	FRAME ASSY, FITTING	
302	2-633-239-01	COLLAR	
303	3-246-471-01	KEY (FRAME)	
304	X-3381-154-1	SCREW ASSY (BS4), FITTING (GT250S)	
305	X-3382-926-1	SCREW ASSY (BS), FITTING (GT200:AEP,UK/GT200S)	
306	3-349-410-11	BUSHING	
307	1-465-459-31	ADAPTOR, ANTENNA (GT200:AEP,UK/GT200S)	
308	1-776-206-21	CORD (WITH CONNECTOR) (POWER) (GT250S)	
309	1-776-527-61	CORD (WITH CONNECTOR) (ISO) (POWER) (GT200:AEP,UK/GT200S)	



REVISION HISTORY

Clicking the version allows you to jump to the revised page.
Also, clicking the version at the upper on the revised page allows you to jump to the next revised page.

Ver.	Date	Description of Revision
1.0	2005. 09	New
1.1	2006. 02	Production country change. (Supplement-1) (ENG-06001)
1.2	2006. 03	Chinese model addition of CDX-GT250S.